

Table S1. Total delay and barrier scores as a function of socio-demographic characteristics and wave (Pre vs. Post).

			Pre-Coronavirus				Post-Coronavirus			
			Total delay score (1-week cut-off)	Total delay score (2-week cut-off)	Total delay score (3-week cut-off)	Total barrier score	Total delay score (1-week cut-off)	Total delay score (2-week cut-off)	Total delay score (3-week cut-off)	Total barrier score
Sex	Male	Mean	5.82	2.92	1.97	0.96	6.29	2.93	1.87	1.16
		SD	3.75	3.04	2.55	1.02	3.82	3.00	2.50	1.06
		Median	6.00	2.00	1.00	1.00	7.00	2.00	1.00	1.00
	Female	Mean	5.24	2.59	1.81	1.00	6.03	2.93	1.95	1.36
		SD	3.75	2.90	2.44	1.07	3.83	3.06	2.51	1.14
		Median	5.00	2.00	1.00	1.00	6.00	2.00	1.00	1.00
Age	18-24	Mean	6.92	3.71	2.45	1.36	7.09	3.00	1.94	1.63
		SD	3.19	2.89	2.49	1.07	3.46	2.82	2.20	1.16
		Median	7.00	4.00	2.00	1.00	7.00	2.00	1.00	2.00
	25-34	Mean	6.81	3.65	2.47	1.36	7.42	3.85	2.54	1.56
		SD	3.44	3.06	2.67	1.11	3.41	3.06	2.61	1.05
		Median	7.00	3.00	2.00	1.00	8.00	4.00	2.00	1.49
	35-44	Mean	6.16	3.12	2.10	1.12	6.76	3.43	2.26	1.36
		SD	3.71	3.09	2.57	1.07	3.95	3.24	2.83	1.07
		Median	6.00	2.78	1.00	1.00	7.00	3.00	1.00	1.00
	45-54	Mean	5.67	2.81	2.03	1.07	6.30	3.11	2.01	1.27
		SD	3.79	3.11	2.69	1.10	3.64	3.16	2.68	1.15
		Median	6.00	2.00	1.00	1.00	7.00	2.00	1.00	1.00
	55-64	Mean	4.83	2.25	1.51	0.80	5.93	2.73	1.66	1.06
		SD	3.61	2.72	2.27	0.95	4.03	3.04	2.33	1.03
		Median	4.00	1.00	1.00	1.00	6.00	2.00	1.00	1.00
	65 +	Mean	4.02	1.85	1.30	0.60	4.49	1.88	1.31	0.99
		SD	3.61	2.52	2.10	0.85	3.55	2.43	2.03	1.07
		Median	3.00	1.00	0.00	0.00	4.00	1.00	0.00	1.00
SEP	Group 1	Mean	6.91	3.54	2.32	1.04	7.58	3.90	2.37	1.28
		SD	3.70	3.21	2.65	1.03	3.71	3.04	2.34	1.04
		Median	7.00	3.00	1.00	1.00	8.00	4.00	2.00	1.00
	Group 2	Mean	6.24	3.23	2.19	1.04	6.59	3.24	2.02	1.22
		SD	3.71	3.17	2.78	1.03	3.76	3.10	2.69	1.04
		Median	6.00	2.00	1.00	1.00	7.00	2.00	1.00	1.00
	Group 3	Mean	6.13	2.95	2.01	1.00	6.91	3.26	2.12	1.27
		SD	3.73	2.93	2.52	1.05	3.69	3.13	2.58	1.08

Supplementary Material: Spanish Oncobarometer 2020: Pre-Post COVID-19

		Pre-Coronavirus				Post-Coronavirus					
		Total delay score (1-week cut-off)	Total delay score (2-week cut-off)	Total delay score (3-week cut-off)	Total barrier score	Total delay score (1-week cut-off)	Total delay score (2-week cut-off)	Total delay score (3-week cut-off)	Total barrier score		
	Group 4+5	Median	6.00	2.00	1.00	1.00	7.00	2.00	1.00	1.00	
		Mean	4.94	2.42	1.55	0.84	6.09	2.65	1.69	1.20	
		SD	3.70	2.78	2.12	0.93	3.74	2.88	2.14	1.22	
	Group 6	Median	5.00	1.00	1.00	1.00	6.08	2.00	1.00	1.00	
		Mean	4.85	2.36	1.70	1.05	5.16	2.44	1.63	1.28	
		SD	3.55	2.72	2.32	1.10	3.82	3.08	2.51	1.17	
	Group 7	Median	5.00	1.00	1.00	1.00	5.00	1.00	0.00	1.00	
		Mean	4.15	2.08	1.44	0.86	5.40	2.55	1.73	1.35	
		SD	3.49	2.73	2.26	1.08	3.80	2.76	2.43	1.10	
	Civil status	Married or cohabiting	Median	4.00	1.00	0.00	1.00	5.00	2.00	0.63	1.00
			Mean	5.30	2.59	1.77	0.90	5.89	2.71	1.76	1.16
			SD	3.71	2.92	2.41	1.00	3.83	2.97	2.47	1.09
Single		Median	5.00	2.00	1.00	1.00	6.00	2.00	1.00	1.00	
		Mean	6.35	3.30	2.27	1.18	6.94	3.39	2.17	1.48	
		SD	3.66	3.09	2.68	1.10	3.69	3.05	2.54	1.14	
Separated or divorced		Median	7.00	3.00	1.00	1.00	7.00	3.00	1.00	1.00	
		Mean	5.11	2.53	1.72	1.06	5.55	2.92	2.02	1.28	
		SD	3.74	2.82	2.40	1.07	3.79	3.24	2.73	1.03	
Widowed		Median	5.00	2.00	1.00	1.00	5.00	2.00	1.00	1.00	
		Mean	3.50	1.59	1.17	0.64	4.63	2.09	1.49	0.94	
		SD	3.51	2.34	2.01	0.95	3.71	2.70	2.21	0.92	
Personal cancer history	No	Median	3.00	1.00	0.00	0.00	5.00	1.00	1.00	1.00	
		Mean	5.58	2.80	1.92	1.01	6.26	2.98	1.94	1.29	
		SD	3.76	3.00	2.52	1.06	3.80	3.04	2.52	1.11	
	Yes	Median	6.00	2.00	1.00	1.00	6.00	2.00	1.00	1.00	
		Mean	4.48	2.04	1.42	0.68	5.07	2.40	1.63	0.99	
		SD	3.55	2.39	2.05	0.89	3.95	2.90	2.34	1.02	
Family member with cancer	No	Median	4.00	1.00	1.00	0.00	4.00	1.00	1.00	1.00	
		Mean	5.13	2.47	1.64	0.92	5.88	2.64	1.62	1.19	
		SD	3.74	2.80	2.28	1.05	3.76	2.92	2.25	1.11	
	Yes	Median	5.00	1.00	1.00	1.00	6.00	2.00	1.00	1.00	
		Mean	5.61	2.83	1.97	1.01	6.24	3.02	2.01	1.29	
		SD	3.75	3.01	2.55	1.05	3.85	3.06	2.58	1.11	
Median	6.00	2.00	1.00	1.00	7.00	2.00	1.00	1.00			

Note: SEP= Socioeconomic position: GROUP 1. Directors and managers of establishments with 10 or more employees and professionals traditionally associated with university degrees. GROUP 2. Directors and managers of establishments with fewer than 10 employees and professionals traditionally associated with university degrees. GROUP 3. Intermediate occupations: employees of the administrative type and professionals supporting administrative management. GROUP 4+5. Free-lancers/self-employed. Supervisors and workers in qualified technical occupations. GROUP 6. Qualified workers of the primary sector and other semi-qualified workers. Group 7. Unskilled workers.

Table S2. Model main effects and Relative Score Increases (RSI) from multiple Poisson regression analyses on total delay (cut-off 1 week) and barrier scores.

	Parameter	Delay scores				Barrier scores			
		RSI	95% CI		p	RSI	95% CI		p
			Lower	Upper			Lower	Upper	
	(Intercept)*	2.06	1.99	2.13	0.000	0.10	-0.06	0.25	0.232
Wave	Post vs. Pre	1.11	1.08	1.14	0.000	1.27	1.20	1.35	<0.001
Sex	Female vs. Male	0.97	0.94	0.99	0.012	1.13	1.06	1.20	<0.001
Age	65+ vs. 18-24	0.65	0.61	0.69	0.000	0.55	0.48	0.63	<0.001
	55-64 vs. 18-24	0.76	0.72	0.81	0.000	0.63	0.55	0.72	<0.001
	45-54 vs. 18-24	0.85	0.80	0.90	0.000	0.81	0.71	0.92	0.001
	35-44 vs. 18-24	0.90	0.85	0.95	0.000	0.87	0.77	0.98	0.020
SEP	25-34 vs. 18-24	0.96	0.91	1.01	0.132	1.01	0.90	1.13	0.866
	Group 7 vs. 1	0.69	0.65	0.72	0.000	0.99	0.88	1.11	0.846
	Group 6 vs. 1	0.71	0.68	0.74	0.000	1.03	0.94	1.14	0.501
	Group 4+5 vs. 1	0.79	0.75	0.84	0.000	0.95	0.84	1.08	0.440
Civil status	Group 3 vs. 1	0.91	0.87	0.94	0.000	0.98	0.89	1.09	0.723
	Group 2 vs. 1	0.90	0.86	0.94	0.000	0.99	0.89	1.11	0.914
	Widowed vs. Married	0.86	0.81	0.91	0.000	0.95	0.82	1.10	0.470
Personal cancer history	Sep./divorced vs. Married	1.00	0.95	1.05	0.925	1.15	1.03	1.28	0.014
	Yes vs. No	0.97	0.93	1.02	0.203	0.92	0.82	1.03	0.146
Close family member with cancer	Single vs. Married	1.04	1.01	1.08	0.009	1.07	0.99	1.15	0.074
	Yes vs. No	1.07	1.04	1.10	0.000	1.09	1.02	1.17	0.013

Note: * Mean number of symptoms with delayed response or reported barriers adjusted for the remaining factors in the reference group. CI= confidence intervals; Socioeconomic position: GROUP 1. Directors and managers of establishments with 10 or more employees and professionals traditionally associated with university degrees. GROUP 2. Directors and managers of establishments with fewer than 10 employees and professionals traditionally associated with university degrees. GROUP 3. Intermediate occupations: employees of the administrative type and professionals supporting administrative management. GROUP 4+5 (merged due to small sample size). Free-lancers/self-employed. Supervisors and workers in qualified technical occupations. GROUP 6. Qualified workers of the primary sector and other semi-qualified workers. Group 7. Unskilled workers.

Table S3. Model main effects and Relative Score Increases (RSI) from multiple Poisson regression analyses on total delay scores with alternative cut-offs (2 and 3 weeks).

		Delay scores (2-week cut-off)				Delay scores (3-week cut-off)			
		RSI	95% CI		p	RSI	95% CI		p
			Lower	Upper			Lower	Upper	
	(Intercept)*	1.35	1.25	1.44	<.001	0.79	0.67	0.90	.000
Wave	Post vs. Pre	1.06	1.02	1.10	0.005	0.99	0.94	1.04	0.710
Sex	Female vs. Male	0.97	0.93	1.00	0.074	0.98	0.94	1.03	0.440
Age	65+ vs. 18-24	0.60	0.55	0.65	<.001	0.66	0.59	0.73	0.000
	55-64 vs. 18-24	0.71	0.66	0.78	<.001	0.74	0.67	0.82	0.000
	45-54 vs. 18-24	0.86	0.80	0.93	<.001	0.95	0.86	1.05	0.333
	35-44 vs. 18-24	0.92	0.85	0.99	0.033	0.98	0.90	1.08	0.745
	25-34 vs. 18-24	1.04	0.96	1.12	0.339	1.10	1.00	1.20	0.039
SEP	Group 7 vs. 1	0.67	0.62	0.72	<.001	0.70	0.64	0.77	0.000
	Group 6 vs. 1	0.67	0.63	0.71	<.001	0.74	0.69	0.80	0.000
	Group 4+5 vs. 1	0.75	0.70	0.81	<.001	0.75	0.69	0.82	0.000
	Group 3 vs. 1	0.85	0.80	0.90	<.001	0.88	0.82	0.95	0.001
	Group 2 vs. 1	0.90	0.85	0.96	0.001	0.93	0.86	1.00	0.043
Civil status	Widowed vs. Married	0.88	0.80	0.97	0.001	0.91	0.81	1.01	0.081
	Sep./divorced vs. Married	1.07	0.99	1.14	0.073	1.10	1.02	1.20	0.020
	Single vs. Married	1.08	1.03	1.13	0.001	1.10	1.04	1.16	0.001
Personal cancer history	Yes vs. No	0.96	0.90	1.03	0.239	0.97	0.89	1.06	0.513
Close family member with cancer	Yes vs. No	1.12	1.08	1.17	<.001	1.20	1.14	1.26	0.000

Note: *Mean number of symptoms with delayed response adjusted for the remaining factors. CI= confidence intervals; Socioeconomic position: GROUP 1. Directors and managers of establishments with 10 or more employees and professionals traditionally associated with university degrees. GROUP 2. Directors and managers of establishments with fewer than 10 employees and professionals traditionally associated with university degrees. GROUP 3. Intermediate occupations: employees of the administrative type and professionals supporting administrative management. GROUP 4+5 (merged due to small sample size). Free-lancers/self-employed. Supervisors and workers in qualified technical occupations. GROUP 6. Qualified workers of the primary sector and other semi-qualified workers. Group 7. Unskilled workers.

Table S4. Relative Score Increases (RSI) for the effect of wave in different demographic groups derived from multiple Poisson regression analyses with interaction terms on total delay scores with alternative cut-offs (2 and 3 weeks).

		Cut-off 2 weeks				Cut-off 3 weeks			
		RSI	95% CI		p	RSI	95% CI		p
			Lower	Upper			Lower	Upper	
Sex	Males	0.99	0.94	1.05	0.856	0.90	0.84	0.97	0.006
	Females	1.12	1.06	1.18	<.001	1.06	1.00	1.13	0.080
Age	18-24	0.80	0.70	0.91	0.001	0.78	0.66	0.92	0.004
	25-34	1.05	0.96	1.15	0.290	1.06	0.95	1.19	0.304
	35-44	1.13	1.03	1.22	0.006	1.09	0.98	1.21	0.100
	45-54	1.07	0.98	1.16	0.154	0.92	0.83	1.02	0.129
	55-64	1.19	1.07	1.32	0.001	1.07	0.94	1.22	0.307
	65+	1.04	0.94	1.15	0.422	1.02	0.90	1.14	0.794

Table S5. Model main effects and relative score increases (RSI) from multiple Poisson regression analyses on total delay scores without considering the variable breast changes.

		Delay scores (1-week cut-off)				Delay scores (2-week cut-off)				Delay scores (3-week cut-off)			
		RSI	95% CI		p	RSI	95% CI		p	RSI	95% CI		p
			Lower	Upper			Lower	Upper			Lower	Upper	
	(Intercept)*	2.05	1.99	2.12	<0.001	1.34	1.25	1.44	<0.001	0.79	0.67	0.91	.000
Wave	Post vs. Pre	1.10	1.07	1.13	<0.001	1.05	1.01	1.09	0.010	0.99	0.94	1.04	0.644
Sex	Female vs. Male	0.94	0.92	0.96	<0.001	0.95	0.91	0.98	0.004	0.97	0.92	1.01	0.135
Age	65+ vs. 18-24	0.65	0.61	0.69	<0.001	0.60	0.55	0.66	<0.001	0.66	0.59	0.73	<0.001
	55-64 vs. 18-24	0.76	0.72	0.81	<0.001	0.72	0.66	0.78	<0.001	0.74	0.66	0.82	<0.001
	45-54 vs. 18-24	0.85	0.81	0.90	<0.001	0.87	0.80	0.94	0.001	0.96	0.87	1.05	0.373
	35-44 vs. 18-24	0.90	0.85	0.95	<0.001	0.94	0.87	1.01	0.092	0.99	0.90	1.08	0.790
	25-34 vs. 18-24	0.97	0.92	1.02	0.190	1.05	0.98	1.13	0.196	1.10	1.01	1.21	0.037
SEP	Group 7 vs. 1	0.69	0.66	0.73	<0.001	0.66	0.62	0.71	<0.001	0.71	0.65	0.77	<0.001
	Group 6 vs. 1	0.71	0.68	0.74	<0.001	0.67	0.63	0.71	<0.001	0.74	0.69	0.80	<0.001
	Group 4+5 vs. 1	0.80	0.76	0.84	<0.001	0.75	0.69	0.80	<0.001	0.76	0.69	0.83	<0.001
	Group 3 vs. 1	0.91	0.87	0.95	<0.001	0.84	0.79	0.89	<0.001	0.88	0.82	0.95	0.001
	Group 2 vs. 1	0.90	0.86	0.94	<0.001	0.89	0.84	0.95	<0.001	0.92	0.86	1.00	0.038
Civil status	Widowed vs. Married	0.86	0.81	0.92	<0.001	0.88	0.80	0.96	0.006	0.91	0.81	1.01	0.084
	Sep./divorced vs. Married	1.00	0.95	1.05	0.860	1.06	0.99	1.14	0.089	1.10	1.01	1.20	0.021
	Single vs. Married	1.04	1.01	1.07	0.021	1.07	1.02	1.12	0.005	1.09	1.03	1.16	0.002
Personal cancer history	Yes vs. No	0.97	0.92	1.02	0.195	0.95	0.89	1.02	0.177	0.97	0.89	1.06	0.482
Close family member with cancer	Yes vs. No	1.07	1.04	1.11	<0.001	1.13	1.08	1.18	<0.001	1.19	1.13	1.26	<0.001

Note: *Mean number of symptoms with delayed response adjusted for the remaining factors. Socioeconomic position: GROUP 1. Directors and managers of establishments with 10 or more employees and professionals traditionally associated with university degrees. GROUP 2. Directors and managers of establishments with fewer than 10 employees and professionals traditionally associated with university degrees. GROUP 3. Intermediate occupations: employees of the administrative type and professionals supporting administrative management. GROUP 4+5 (merged due to small sample size). Free-lancers/self-employed. Supervisors and workers in qualified technical occupations. GROUP 6. Qualified workers of the primary sector and other semi-qualified workers. Group 7. Unskilled workers.

Table S6. Relative score increases (RSI) for the effect of wave for women and in different age groups derived from multiple Poisson regression analyses with interaction terms on total delay scores without considering the variable breast changes.

		Cut-off 1 week				Cut-off 2 weeks				Cut-off 3 weeks			
		RSI	95% CI		p	RSI	95% CI		p	RSI	95% CI		p
Sex	Females		Lower	Upper			Lower	Upper			Lower	Upper	
	Females	1.13	1.09	1.17	<0.001	1.12	1.06	1.18	<0.001	1.06	0.99	1.13	0.099
Age	18-24	1.01	0.92	1.10	0.865	0.80	0.70	0.91	0.001	0.77	0.65	0.91	0.002
	25-34	1.08	1.01	1.15	0.025	1.09	0.99	1.19	0.072	1.06	0.95	1.19	0.284
	35-44	1.12	1.05	1.19	<0.001	1.14	1.05	1.24	0.002	1.09	0.98	1.21	0.101
	45-54	1.05	0.98	1.11	0.167	1.04	0.95	1.13	0.431	0.92	0.82	1.02	0.112
	55-64	1.20	1.11	1.28	<0.001	1.19	1.07	1.32	0.001	1.06	0.93	1.21	0.375
	65+	1.17	1.10	1.25	<0.001	1.03	0.93	1.13	0.583	1.02	0.90	1.14	0.775

Table S7. Percentage of respondents reporting each barrier as a function of wave and sex.

	Wave	Sex	
		Male	Female
I would be embarrassed	Pre	6.9%	6.4%
	Post	7.6%	10.3%
I would be worried about wasting the doctor's time	Pre	15.4%	17.6%
	Post	19.8%	24.6%
I would be worried about what the doctor might find	Pre	16.2%	20.4%
	Post	24.3%	29.7%
I do not have enough time to go to the doctor	Pre	34.1%	32.2%
	Post	31.8%	37.0%
Additional barrier	Pre	23.3%	23.8%
	Post	32.4%	35.3%

Figure S1. Mean predicted delay scores (using 1-week cut-off) and barrier scores for males and females, derived from multiple Poisson regression analyses.

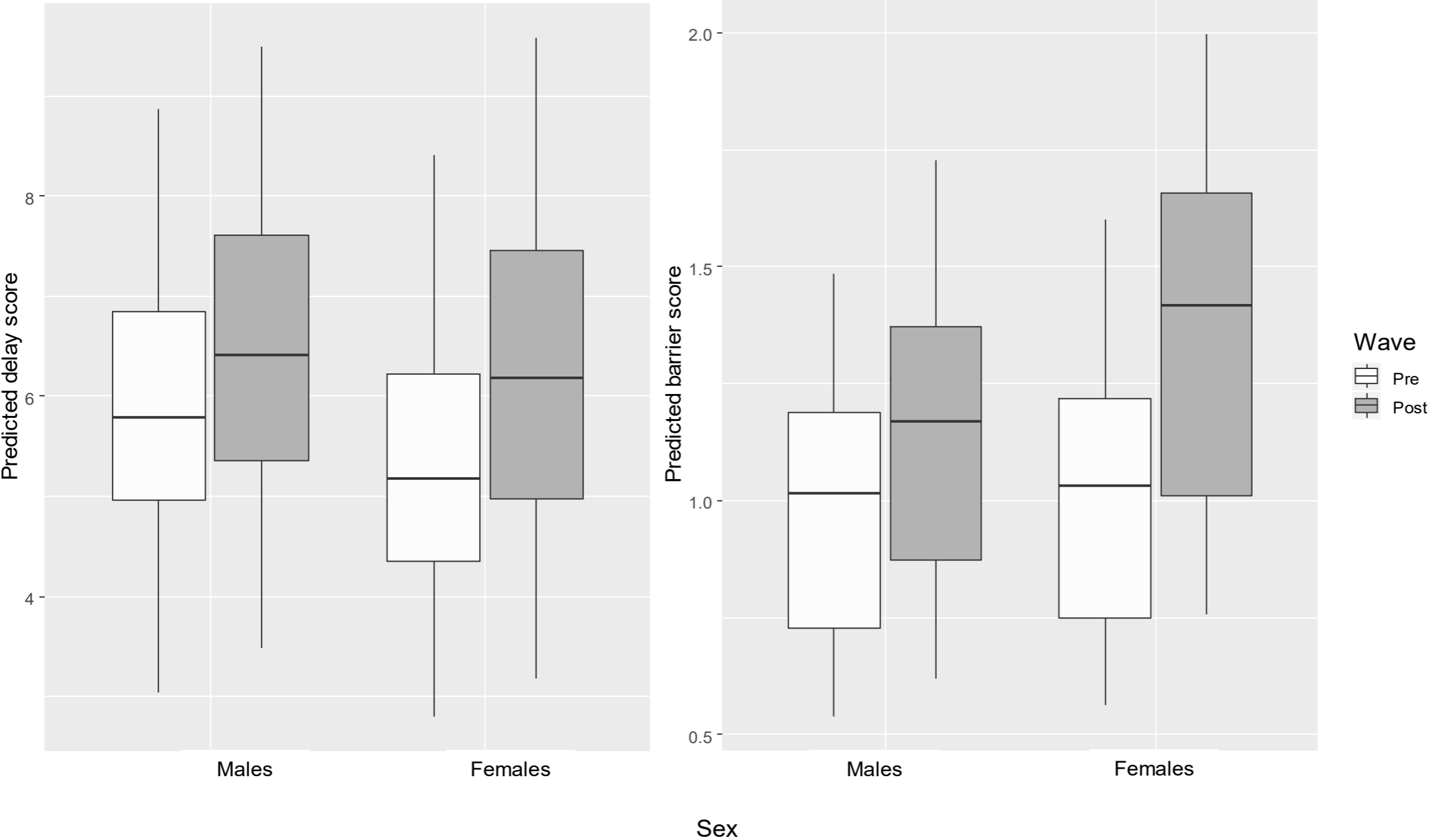


Figure S2. Percentage of respondents who report they would seek help within a week of symptom onset as a function of wave and respondent sex (males vs. females).

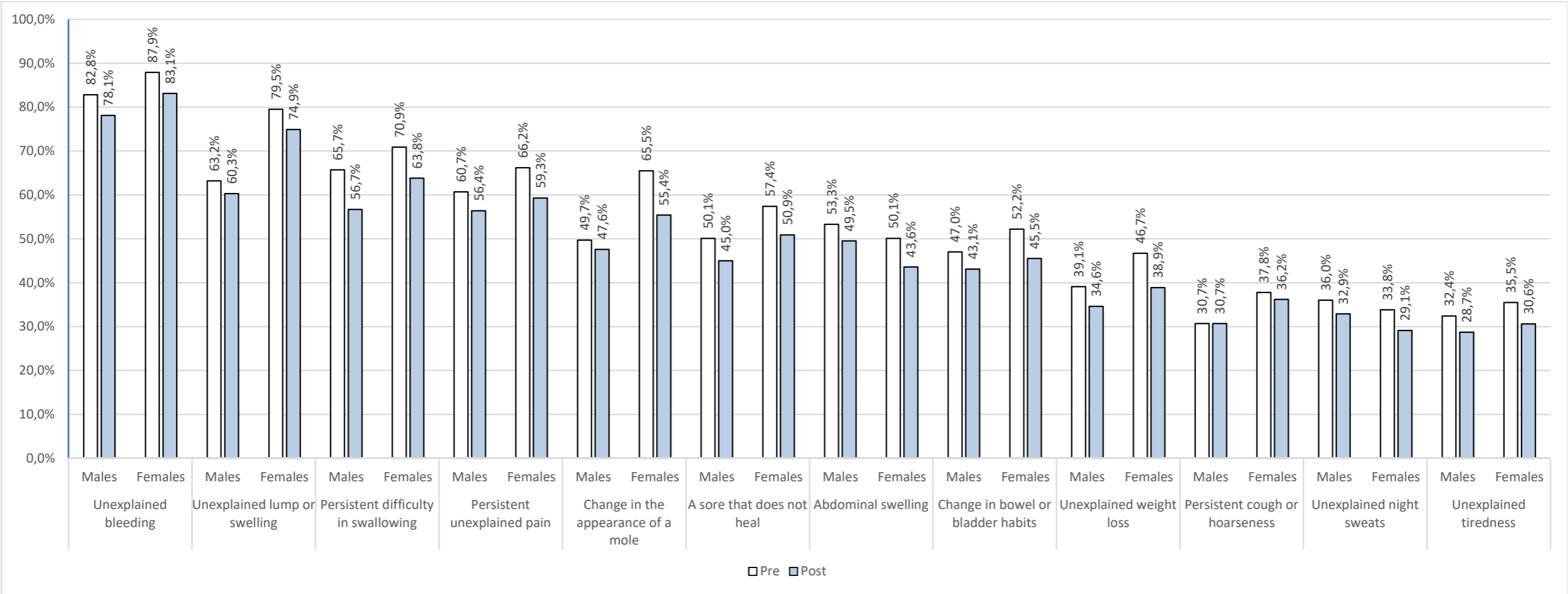


Figure S3. Mean predicted delay scores (using 1-week cut-off) and barrier scores for different age groups, derived from multiple Poisson regression analyses.

