

## Appendix: Supplementary materials

eTable 1. Raw and Adjusted odds ratios for positive diagnosis experience for CPES 2017

eTable 2. Odds ratio of positive experiences for selected question for each age group, raw and adjusted [2013]

eTable 3. Proportion positive experiences raw and weighted for differential response [2013]

eFigure 1. Comparison of NCRAS-weighted to CPES percentage positive response 2017

eFigure 2. Supplementary study population (2013)

eFigure 3. Proportion of respondents in each age group with positive responses, as a percentage of those with positive or negative experience [2013]

**eTable 1. Raw and Adjusted odds ratios for positive diagnosis experience for CPES 2017\***

Question	55-64 years			65-74 years			75 years or older		
	Raw OR	Adjusted OR	% Change	Raw OR	Adjusted OR	% Change	Raw OR	Adjusted OR	% Change
1	1.51(1.16, 1.97)	1.45(1.11, 1.90)	-4.0	2.10(1.63, 2.69)	2.03(1.57, 2.62)	-3.3	2.36(1.84, 3.04)	2.37(1.83, 3.06)	0.4
2	2.15(1.65, 2.80)	2.10(1.61, 2.74)	-2.3	3.27(2.54, 4.21)	3.16(2.44, 4.09)	-3.4	3.79(2.93, 4.91)	3.70(2.84, 4.81)	-2.4
3	0.92(0.71, 1.20)	0.91(0.70, 1.19)	-1.1	1.56(1.21, 2.02)	1.50(1.16, 1.94)	-3.8	1.45(1.12, 1.86)	1.35(1.04, 1.74)	-6.9
5	1.37(0.78, 2.42)	1.34(0.76, 2.38)	-2.2	1.08(0.65, 1.79)	1.05(0.63, 1.75)	-2.8	0.97(0.59, 1.60)	0.97(0.58, 1.61)	0.0
6	1.82(1.35, 2.45)	1.72(1.27, 2.32)	-5.5	2.52(1.90, 3.35)	2.39(1.79, 3.20)	-5.2	2.79(2.09, 3.72)	2.69(2.01, 3.61)	-3.6
7	1.48(1.12, 1.95)	1.47(1.11, 1.95)	-0.7	1.76(1.35, 2.29)	1.74(1.33, 2.28)	-1.1	2.10(1.60, 2.74)	2.07(1.58, 2.72)	-1.4
8	1.00(0.75, 1.34)	0.97(0.72, 1.30)	-3.0	1.65(1.24, 2.19)	1.62(1.22, 2.16)	-1.8	1.72(1.30, 2.29)	1.73(1.30, 2.31)	0.6
9	1.28(0.93, 1.75)	1.24(0.90, 1.70)	-3.1	1.70(1.26, 2.30)	1.66(1.23, 2.26)	-2.4	2.39(1.75, 3.28)	2.38(1.73, 3.27)	-0.4
10	1.37(1.05, 1.79)	1.35(1.03, 1.77)	-1.5	1.88(1.46, 2.42)	1.86(1.44, 2.40)	-1.1	2.09(1.62, 2.70)	2.07(1.60, 2.69)	-1.0
11	1.25(0.95, 1.65)	1.23(0.94, 1.62)	-1.6	1.75(1.35, 2.26)	1.72(1.32, 2.24)	-1.7	1.64(1.27, 2.13)	1.63(1.26, 2.13)	-0.6

\*Referent group &lt;55 years

**eTable 2. Odds ratio of positive experiences for selected question for each age group\*, raw and adjusted [2013]****A. Adjusted for age, sex, cancer site, ethnicity and deprivation quintile**

Question in 2013	Question in 2017	55-64 years			65-74 years			≥75 years		
		Raw OR	Adj OR	% change	Raw OR	Adj OR	% change	Raw OR	Adj OR	% change
Q01	Q1	1.45 (1.15,1.83)	1.43 (1.13,1.81)	-1.2	1.69 (1.35,2.10)	1.71 (1.36,2.14)	1.3	1.76 (1.41,2.19)	1.82 (1.45,2.27)	3.4
Q02	Q2	1.27 (1.00,1.61)	1.22 (0.96,1.55)	-3.5	1.73 (1.38,2.17)	1.72 (1.36,2.16)	-0.7	2.49 (1.97,3.15)	2.51 (1.97,3.18)	0.6
Q03	Q3	1.51 (1.21,1.89)	1.46 (1.17,1.83)	-3.3	2.04 (1.65,2.52)	1.98 (1.60,2.45)	-2.8	2.04 (1.66,2.52)	1.97 (1.60,2.44)	-3.4
Q09	Q7	1.27 (0.99,1.63)	1.23 (0.95,1.58)	-3.6	1.47 (1.16,1.87)	1.42 (1.12,1.80)	-3.7	1.51 (1.19,1.91)	1.45 (1.14,1.84)	-4.2
Q11	Q8	1.31 (1.02,1.68)	1.28 (0.99,1.66)	-1.8	1.75 (1.37,2.23)	1.78 (1.39,2.28)	1.9	2.11 (1.65,2.69)	2.20 (1.71,2.81)	4.2
Q12	Q9	1.20 (0.92,1.56)	1.18 (0.90,1.53)	-1.8	1.66 (1.29,2.14)	1.64 (1.27,2.12)	-0.9	2.25 (1.73,2.92)	2.23 (1.71,2.91)	-0.6
Q13	Q10	1.71 (1.35,2.16)	1.65 (1.31,2.10)	-3.2	2.15 (1.71,2.69)	2.07 (1.65,2.60)	-3.4	2.08 (1.67,2.60)	2.00 (1.60,2.50)	-4.2
Q14	Q11	1.82 (1.43,2.31)	1.79 (1.40,2.27)	-1.9	1.83 (1.46,2.29)	1.81 (1.44,2.26)	-1.3	1.49 (1.20,1.86)	1.47 (1.18,1.84)	-1.0

**B. Adjusted for age, sex, cancer site, ethnicity, deprivation quintile AND cancer stage**

Question in 2013	Question in 2017	55-64 years			65-74 years			≥75 years		
		Raw OR	Adj OR	% change	Raw OR	Adj OR	% change	Raw OR	Adj OR	% change
Q01	Q1	1.45 (1.15,1.83)	1.42 (1.12,1.80)	-2.1	1.69 (1.35,2.10)	1.66 (1.32,2.08)	-1.8	1.76 (1.41,2.19)	1.70 (1.35,2.13)	-3.4
Q02	Q2	1.27 (1.00,1.61)	1.20 (0.95,1.53)	-5.1	1.73 (1.38,2.17)	1.66 (1.31,2.09)	-4.0	2.49 (1.97,3.15)	2.31 (1.81,2.94)	-7.4
Q03	Q3	1.51 (1.21,1.89)	1.45 (1.16,1.81)	-4.2	2.04 (1.65,2.52)	1.94 (1.56,2.40)	-4.9	2.04 (1.66,2.52)	1.88 (1.52,2.33)	-8.0
Q09	Q7	1.27 (0.99,1.63)	1.20 (0.93,1.55)	-5.4	1.47 (1.16,1.87)	1.37 (1.08,1.75)	-6.9	1.51 (1.19,1.91)	1.33 (1.04,1.69)	-11.9
Q11	Q8	1.31 (1.02,1.68)	1.28 (0.99,1.65)	-2.4	1.75 (1.37,2.23)	1.77 (1.38,2.26)	1.2	2.11 (1.65,2.69)	2.14 (1.66,2.74)	1.4
Q12	Q9	1.20 (0.92,1.56)	1.16 (0.89,1.51)	-3.7	1.66 (1.29,2.14)	1.59 (1.23,2.06)	-3.9	2.25 (1.73,2.92)	2.06 (1.58,2.70)	-8.1
Q13	Q10	1.71 (1.35,2.16)	1.63 (1.28,2.07)	-4.5	2.15 (1.71,2.69)	2.02 (1.60,2.53)	-6.0	2.08 (1.67,2.60)	1.84 (1.47,2.31)	-11.7
Q14	Q11	1.82 (1.43,2.31)	1.77 (1.39,2.27)	-2.5	1.83 (1.46,2.29)	1.78 (1.41,2.23)	-3.0	1.49 (1.20,1.86)	1.37 (1.09,1.72)	-8.2

\* Referent age group is <55 years; OR<sub>r</sub> = Raw Odds Ratio; OR<sub>a</sub> = Adjusted Odds Ratio.

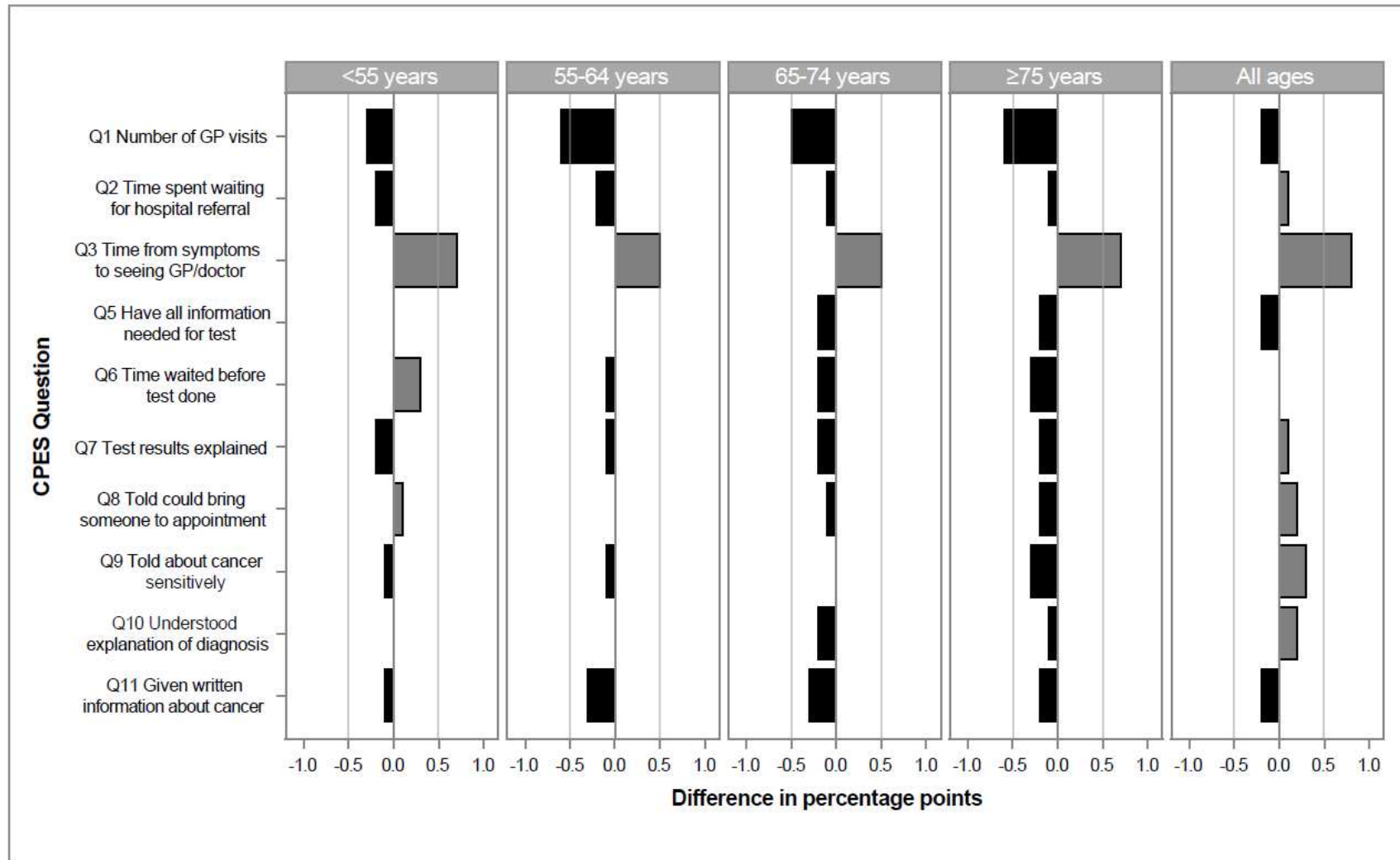
**eTable 3. Proportion positive experiences raw and weighted for differential response [2013]****A. Weighted for differential response by age, sex and cancer site**

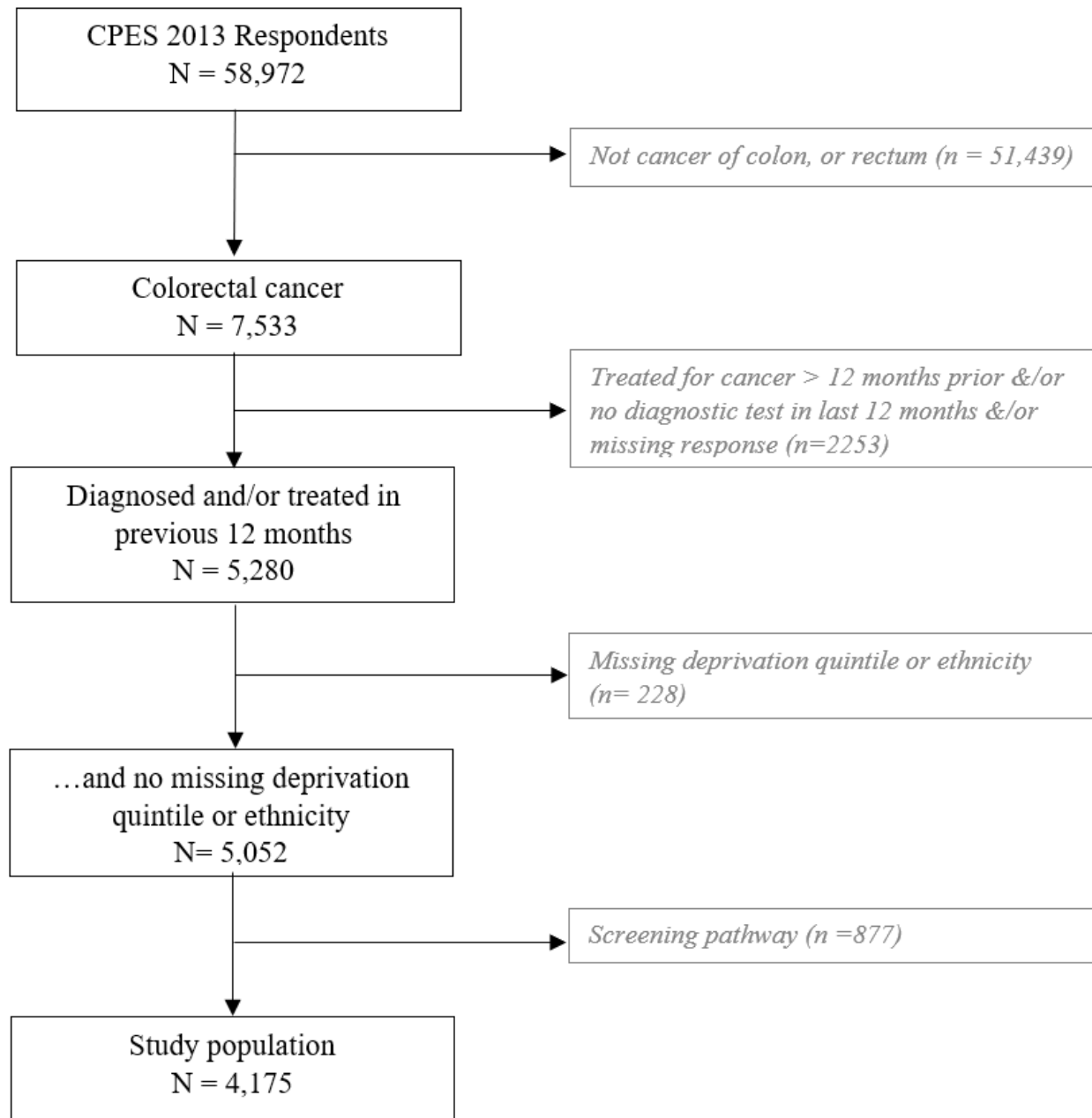
Question in 2013	Question in 2017	<55 years			55-64 years			65-74 years			≥75 years		
		Raw	Weighted	Difference	Raw	Weighted	Difference	Raw	Weighted	Difference	Raw	Weighted	Difference
Q01	Q1	60.70	60.19	-0.51	69.11	68.77	-0.33	72.28	72.15	-0.12	73.06	72.43	-0.63
Q02	Q2	70.75	70.57	-0.18	75.40	75.25	-0.15	80.70	80.69	-0.01	85.77	85.57	-0.20
Q03	Q3	59.79	59.78	-0.00	69.23	69.22	-0.01	75.18	75.21	0.03	75.24	74.67	-0.57
Q09	Q7	75.04	75.08	0.04	79.27	79.28	0.02	81.59	81.61	0.02	81.95	81.79	-0.15
Q11	Q8	69.98	70.00	0.02	75.29	75.17	-0.13	80.27	80.23	-0.04	83.09	82.89	-0.20
Q12	Q9	78.67	78.59	-0.08	81.57	81.56	-0.01	85.95	85.96	0.01	89.23	89.09	-0.14
Q13	Q10	67.36	67.19	-0.17	77.90	77.94	0.03	81.58	81.60	0.02	81.14	81.10	-0.04
Q14	Q11	61.48	61.49	0.01	74.39	74.29	-0.11	74.50	74.49	-0.00	70.39	70.05	-0.34

**B. Weighted for differential response by age, sex, cancer site AND cancer stage**

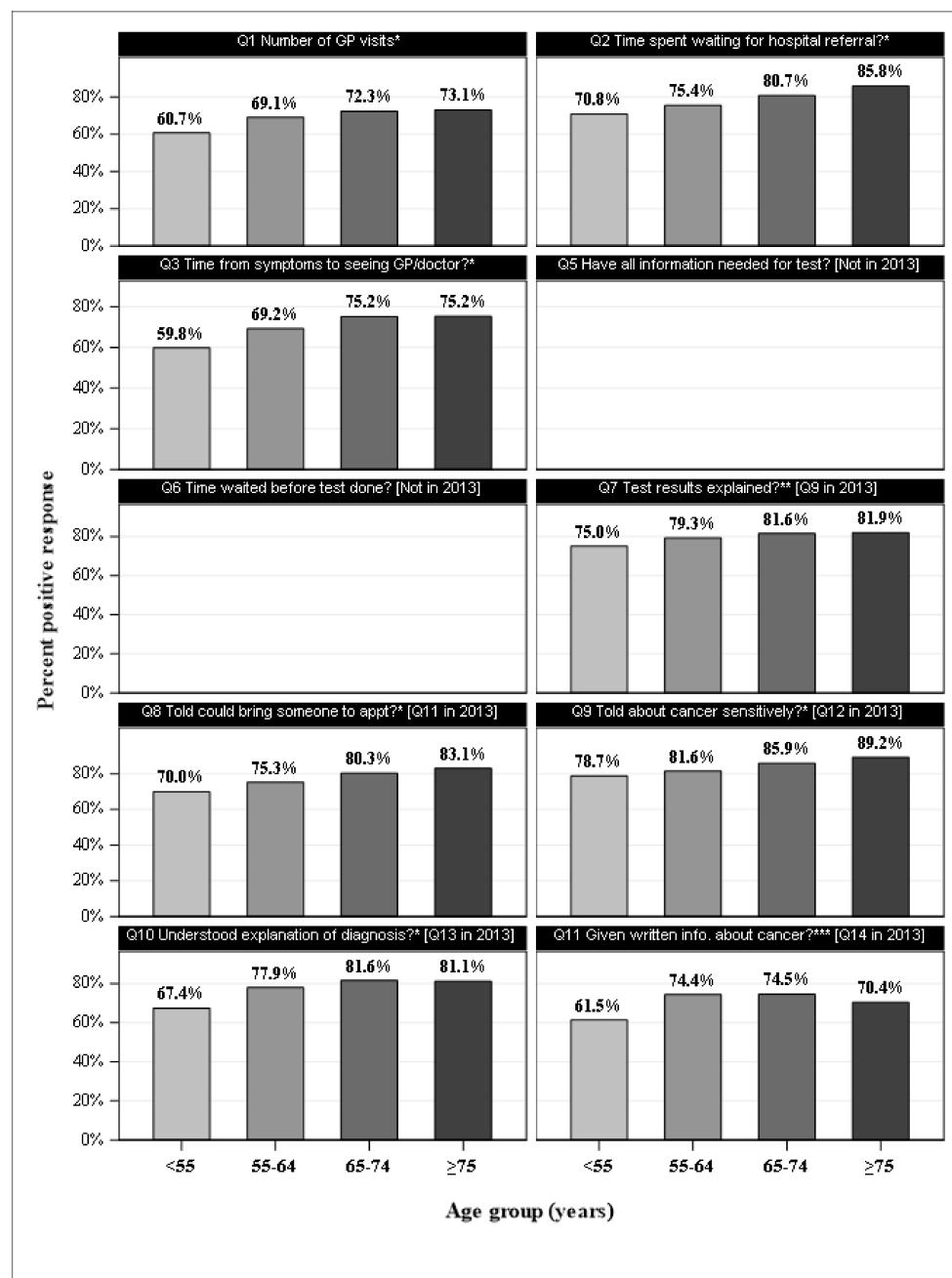
Question in 2013	Question in 2017	<55 years			55-64 years			65-74 years			≥75 years		
		Raw	Weighted	Difference	Raw	Weighted	Difference	Raw	Weighted	Difference	Raw	Weighted	Difference
Q01	1	60.70	58.81	-1.90	69.11	68.73	-0.38	72.28	71.76	-0.52	73.06	71.20	-1.87
Q02	2	70.75	69.63	-1.13	75.40	75.49	0.09	80.70	80.88	0.18	85.77	84.35	-1.42
Q03	3	59.79	58.55	-1.24	69.23	70.34	1.11	75.18	75.24	0.06	75.24	73.34	-1.90
Q09	7	75.04	73.31	-1.74	79.27	78.97	-0.30	81.59	80.97	-0.62	81.95	78.50	-3.45
Q11	8	69.98	70.17	0.19	75.29	74.69	-0.60	80.27	80.22	-0.05	83.09	81.40	-1.69
Q12	9	78.67	78.96	0.29	81.57	80.62	-0.95	85.95	85.36	-0.59	89.23	87.58	-1.65
Q13	10	67.36	64.93	-2.43	77.90	77.02	-0.88	81.58	80.87	-0.72	81.14	78.84	-2.30
Q14	11	61.48	58.32	-3.16	74.39	73.33	-1.06	74.50	73.74	-0.75	70.39	66.14	-4.24

eFigure 1. Comparison of NCRAS-weighted to CPES percentage positive response 2017



**eFigure 2. Supplementary study population (2013)**

**eFigure 3. Proportion of respondents in each age group with positive responses, as a percentage of those with positive or negative experience [2013]**



\* Overall chi-square <0.0001, Mantel-Haenszel chi-square <0.0001

\*\* Overall chi-square =0.003, Mantel-Haenszel chi-square =0.0006

\*\*\* Overall chi-square <0.0001, Mantel-Haenszel chi-square =0.02