Online Appendix: What's Behind Her Smile? Health, Looks, and Self-Esteem

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APPENDIX TABLE 1: Determinants of Participation in Follow-up Surveys

| | Panel A: First Follow-up | | Panel B: Second Follow-up | |
| | Treatment | Baseline | Treatment | Baseline |
	(1)	(2)	(3)	(4)
Treatment	0.04	0.04	0.04	0.05
	(0.03)	(0.03)	(0.03)	(0.03)
Age		0.00		0.01
		(0.00)		(0.01)
Gender		−0.07		0.02
		(0.09)		(0.10)
Married or cohabitates		−0.02		0.05
		(0.03)		(0.04)
Head of household		−0.08*		−0.00
		(0.04)		(0.05)
Number of residents at home		0.01		−0.04
		(0.03)		(0.03)
Residents under 5 years at home		−0.01		0.05
		(0.04)		(0.04)
Residents between 5 and 18 years at home		0.01		0.04*
		(0.03)		(0.03)
Adults at home		−0.00		0.04
		(0.04)		(0.03)
Residents over 65 at home		0.01		0.02
		(0.05)		(0.05)
Education 8 or less years		0.00		0.00
		(0.00)		(0.00)
Education between 9 and 11 years		0.04		0.01
		(0.06)		(0.07)
Education 12 years		0.10		0.01
		(0.08)		(0.10)
Education more than 12 years		0.11		−0.01
		(0.11)		(0.13)
Years of education		−0.01		0.02
		(0.01)		(0.02)
Employed		0.03		−0.02
		(0.04)		(0.05)
Has a contract		−0.01		0.08
		(0.04)		(0.05)
Fonasa A		0.05		0.11
		(0.06)		(0.07)
Fonasa B		0.02		0.03
		(0.06)		(0.06)
Fonasa C		0.04		0.06
		(0.05)		(0.06)
Fonasa D		0.00		0.00
		(0.00)		(0.00)
OHIP Score		−0.00		−0.00
		(0.00)		(0.00)
Rosenberg score		−0.00		0.00
		(0.01)		(0.01)
Number of missing teeth		0.00		0.00
		(0.01)		(0.01)
Number of front missing teeth		−0.01		0.00
		(0.01)		(0.01)
Upper prosthetic need		−0.07		0.01
		(0.06)		(0.08)
Lower prosthetic need		−0.04		−0.01
		(0.06)		(0.07)
Labor income (in thousand pesos)		0.00		0.00
		(0.00)		(0.00)
F-test (p - value)		0.91		0.81

Notes: This table presents estimates of a linear probability model where the dependent variable equals 1 if the subject participated in the respective follow-up survey, and 0 otherwise. Independent variables include treatment status and all variables in Tables 1 and 2 measured at the baseline in columns (2) and (4). Some baseline variables (household members over 65 years, 8 or fewer years of education, and FONASA A) are dropped due to collinearity. All regressions include controls for strata fixed effects. The last row presents the p-values for the F-test that tests for joint orthogonality of all the baseline variables.

***Significant at the 1 percent level.
** Significant at the 5 percent level.
* Significant at the 10 percent level.

APPENDIX TABLE 2: Determinants of Treatment Take-up

	All	Men	Women
	(1)	(2)	(3)
Age	−0.01	0.01	−0.01
	(0.01)	(0.02)	(0.01)
Gender	0.01	0.00	0.00
	(0.19)	(0.00)	(0.00)
Married or cohabitates	0.02	0.18	0.01
	(0.07)	(0.22)	(0.08)
Head of household	−0.10	−0.04	−0.12
	(0.08)	(0.32)	(0.09)
Residents under 5 years at home	−0.07	−0.16	−0.05
	(0.06)	(0.13)	(0.07)
Residents between 5 and 18 years at home	−0.01	−0.02	−0.01
	(0.03)	(0.08)	(0.04)
Adults at home	−0.00	0.00	−0.01
	(0.03)	(0.06)	(0.03)
Residents over 65 at home	−0.02	−0.08	0.03
	(0.07)	(0.14)	(0.08)
Education 8 or less years	0.04	−0.03	0.08
	(0.23)	(0.52)	(0.29)
Education between 9 and 11 years	0.00	−0.01	0.02
	(0.16)	(0.37)	(0.20)
Education 12 years	0.12	0.09	0.15
	(0.11)	(0.23)	(0.14)
Education more than 12 years	0.00	0.00	0.00
	(0.00)	(0.00)	(0.00)
Years of education	−0.01	0.01	−0.02
	(0.03)	(0.06)	(0.04)
Employed	0.02	−0.01	0.00
	(0.09)	(0.26)	(0.10)
Has a contract	−0.09	−0.09	−0.08
	(0.08)	(0.22)	(0.10)
Fonasa B	0.16*	0.28	0.14
	(0.08)	(0.26)	(0.09)
Fonasa C	0.15*	0.03	0.16
	(0.09)	(0.26)	(0.10)
Fonasa D	0.22*	0.25	0.12
	(0.12)	(0.22)	(0.17)
OHIP Score	0.03	0.06	−0.02
	(0.04)	(0.09)	(0.05)
Rosenberg Score	0.07	0.14	0.07
	(0.07)	(0.14)	(0.08)
Number of missing teeth	0.01	0.02	0.00
	(0.01)	(0.02)	(0.01)
Number of front missing teeth	0.01	−0.03	0.01
	(0.02)	(0.05)	(0.03)
Upper prosthetic need	−0.16	−0.50*	−0.13
	(0.12)	(0.28)	(0.15)
Lower prosthetic need	0.03	−0.30	0.15
	(0.12)	(0.25)	(0.15)
Labor income (in thousand pesos)	0.00	−0.00	0.00
	(0.00)	(0.00)	(0.00)
F-test (p - value)	0.73	0.32	0.86

Notes: This table presents the estimated results of a linear probability model where the dependent variable equals 1 if the subject completed the program and 0 otherwise. All regressions include controls for strata fixed effects. Robust standard errors are reported in parentheses.
***Significant at the 1 percent level.
** Significant at the 5 percent level.
* Significant at the 10 percent level.

APPENDIX TABLE 3: Inverse Probability Weighting Estimates

Panel A: First Follow-up			
Variable	All	Men	Women
Subjective oral health (OHIP)	0.87***	0.74***	0.92***
	(0.07)	(0.14)	(0.09)
Self-esteem (Rosenberg test)	0.23***	−0.13	0.36***
	(0.07)	(0.12)	(0.08)
Smiling behavior	0.09**	−0.07	0.15***
	(0.04)	(0.06)	(0.04)
Employed	0.05**	0.03	0.07*
	(0.03)	(0.03)	(0.04)
Log of earnings	0.64*	0.21	0.84*
	(0.33)	(0.39)	(0.44)
Appearance (ratings of pictures)	0.12	−0.08	0.21**
	(0.08)	(0.12)	(0.10)
Panel B: Second Follow-up			
Subjective oral health (OHIP)	0.64***	0.71***	0.64***
	(0.08)	(0.14)	(0.10)
Interactions with partner	0.49***	0.02	0.65***
	(0.13)	(0.00)	(0.18)
Complementary investments	0.61***	0.65**	0.59***
	(0.16)	(0.33)	(0.19)
Self-esteem (Rosenberg test)	0.15**	−0.02	0.21**
	(0.07)	(0.12)	(0.09)
Physical health (SF-12)	0.09	−0.06	0.16*
	(0.08)	(0.14)	(0.10)
Mental health (SF-12)	0.21***	0.16	0.24***
	(0.07)	(0.15)	(0.09)
Employed	0.01	−0.01	0.01
	(0.03)	(0.04)	(0.04)
Log of earnings	0.14	0.35	0.06
	(0.36)	(0.46)	(0.48)

 Notes: This table presents inverse probability weighting estimates to account for the potential effects of sample attrition. Control variables include the randomization strata fixed effects and the following baseline variables: the OHIP score, the Rosenberg score, employment status, years of education, and a dummy for being head of household. Standard errors are reported in parentheses.
 ***Significant at the 1 percent level.
 ** Significant at the 5 percent level.
 * Significant at the 10 percent level.

APPENDIX TABLE 4: Instrumental Variable Regressions: Effects of Health Status on Outcomes

	All			Men			Women			H0: No gender effects
	Mean (control)	Difference	Obs	Mean (control)	Difference	Obs	Mean (control)	Difference	Obs	p-value
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Panel A: First Follow-up										
Rosenberg Score	-0.00	0.26***	634	0.39	−0.07	178	-0.16	0.40***	456	0.00
		(0.07)			(0.11)			(0.09)		
Employed	0.78	0.06**	642	0.94	0.01	180	0.72	0.07*	462	0.24
		(0.03)			(0.03)			(0.04)		
Log of earnings	10.50	0.77**	539	12.00	0.06	168	9.75	1.07**	371	0.09
		(0.35)			(0.35)			(0.48)		
Panel B: Second Follow-up										
Rosenberg score	0.21	0.25**	539	0.42	0.03	148	0.12	0.37**	391	0.08
		(0.10)			(0.13)			(0.14)		
Employed	0.81	0.02	547	0.94	0.00	150	0.76	0.02	397	0.83
		(0.04)			(0.03)			(0.06)		
Log of earnings	10.62	0.25	460	11.97	0.34	145	8.97	0.29	315	0.96
		(0.53)			(0.41)			(0.84)		
Panel C: Test of Differences (p - values)										
Rosenberg score		0.61			0.63			0.90		
Employed		0.26			0.70			0.16		
Log of earnings		0.50			0.60			0.44		

Notes: This table presents estimated treatment effects on outcome variables in the first and second follow-up surveys using an instrumental variable procedure in which the dental health status (measured by the OHIP score) is an endogenous variable and treatment status is the instrumental variable. All regressions include controls for strata fixed effects and the following baseline variables: the dependent variable, years of education, and a dummy for being the head of household. Robust standard errors are reported in parentheses. Panel C presents p-values for tests of differences in dental health status across follow-up surveys. Differences in the number of observations are due to the differences in samples as discussed in the notes in Tables 4 and 5.
***Significant at the 1 percent level.
** Significant at the 5 percent level.
* Significant at the 10 percent level.

APPENDIX TABLE 5: Treatment Effects on Components of Additional Outcomes

	All			Men			Women		
	Mean (control)	Difference	Obs	Mean (control)	Difference	Obs	Mean (control)	Difference	Obs
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Panel A: Components of Complementary Investments									
Changes in hairstyle	0.63	0.10** (0.04)	547	0.49	0.16 (0.10)	150	0.69	0.09** (0.04)	397
Dieting	0.24	0.03 (0.04)	547	0.25	−0.09 (0.08)	150	0.24	0.06 (0.04)	397
Physical exercise	0.28	−0.01 (0.04)	547	0.23	0.03 (0.08)	150	0.30	−0.01 (0.05)	397
Accesories and ornaments	0.47	0.07 (0.04)	547	0.44	−0.04 (0.10)	150	0.48	0.12** (0.05)	397
Spending on clothing	0.64	0.10** (0.04)	547	0.63	0.17* (0.09)	150	0.65	0.08* (0.05)	397
Personal care items	0.54	0.16*** (0.04)	547	0.48	0.25** (0.10)	150	0.57	0.14*** (0.05)	397
Use of makeup	0.48	0.11** (0.04)	547	0.35	0.14 (0.10)	150	0.54	0.10** (0.05)	397
Cosmetic treatments	0.04	−0.00 (0.02)	547	0.01	0.01 (0.03)	150	0.05	−0.01 (0.02)	397
Plastic surgery	0.00	−0.00 (0.00)	547	0.00	0.00 (0.00)	150	0.00	−0.00 (0.01)	397
Panel B: Components of Quality of Interactions with Partner									
Went out with partner	0.64	0.05 (0.05)	341	0.66	0.01 (0.11)	117	0.63	0.07 (0.07)	224
Received gifts from partner	0.47	0.12** (0.06)	341	0.50	0.05 (0.12)	117	0.46	0.10 (0.07)	224
Gave gifts to partner	0.41	0.04 (0.06)	341	0.56	−0.22** (0.11)	117	0.33	0.12* (0.07)	224
Did not have serious arguments with partner	0.76	0.12*** (0.04)	341	0.85	−0.00 (0.08)	117	0.70	0.18*** (0.06)	224
Were not forbidden by partners from any particular activity	0.85	0.08** (0.04)	341	0.85	0.06 (0.09)	117	0.85	0.08* (0.04)	224
Did not suffered verbal violence from partner	0.88	0.07** (0.03)	341	0.94	−0.01 (0.05)	117	0.84	0.12*** (0.04)	224
Did not suffer physical violence from partner	1.00	−0.01 (0.01)	341	1.00	0.00 (0.00)	117	1.00	−0.01 (0.01)	224
Panel C: Components of Appearance (Rating of Pictures)									
Social competence	-0.00	0.16* (0.08)	527	-0.03	−0.05 (0.16)	145	0.01	0.26*** (0.10)	382
Intellectual ability	-0.00	−0.00 (0.09)	527	0.09	−0.10 (0.17)	145	-0.04	0.06 (0.10)	382
Psychological adjustment	0.00	0.18** (0.09)	527	-0.06	0.02 (0.16)	145	0.03	0.28*** (0.11)	382
Relationship satisfaction	0.00	0.06 (0.08)	527	0.13	−0.00 (0.13)	145	-0.05	0.10 (0.10)	382

Notes: This table presents estimated treatment effects for the components of the indices included in Table 6. All regressions include controls for strata fixed effects and the following baseline variables: the OHIP score, the Rosenberg score, employment status, years of education, and a dummy for being the head of household. Robust standard errors are reported in parentheses. Differences in the number of observations across panels are due to the differences in samples as discussed in the notes in Table 6.

***Significant at the 1 percent level.