

Military Conscription, Sexist Attitudes, and Intimate Partner Violence Por M. Amelia Gibbons (University of Wisconsin-Madison y Universidad de San Andrés) y Martín A. Rossi (Universidad de San Andrés)

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Military Conscription, Sexist Attitudes, and Intimate Partner Violence*

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Abstract

We provide empirical evidence on the long-term causal impact of military conscription on sexist attitudes and intimate partner violence. To address potential endogeneity, we exploit the conscription draft lottery in Argentina. We combine the draft administrative data with self-reported survey data. We find that conscripted men are more likely to embrace more sexist attitudes in dimensions such as justification of sexism and violence, sexual machismo, negative attitude towards homosexuality, oldfashioned sexism, and hostile sexism. We also find that men who served are more likely to engage in intimate partner violence, as measured by non-physical abuse and physical violence.

Keywords: Military service; sexism; physical violence; non-physical abuse.

JEL classification: K42.

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I. Introduction

We provide empirical evidence on the long-term effect of military conscription on men's self-reported sexist attitudes and behaviors. To identify causality, we exploit the conscription lottery in Argentina that, for almost all of the twentieth century, randomly assigned eligibility of all young males to military conscription based on the last three numbers of their national ID. Our empirical strategy combines the conscription lottery administrative data with self-reported survey data on sexist attitudes and intimate partner violence. We first report that men who served are more likely to embrace sexist attitudes in dimensions such as justification of sexism and violence, sexual machismo, negative attitude towards homosexuality, old fashioned sexism, and hostile sexism. We then take a step further to see if these sexist attitudes are associated with sexist behaviors, and we find that conscripted men are more likely to engage in intimate-partner violence, as measured by non-physical abuse and physical violence.

Military conscription is one of the most widespread policies around the world, affecting men typically in early adulthood.¹ Given the vast numbers of people who go through military indoctrination during their formative years, our findings are important to understand the potential effects of military conscription (and military indoctrination) on the formation of sexist attitudes and related behaviors for a sizeable proportion of world's population.

Our paper lies in the intersection between two previous studies that exploit the Argentine conscription lottery. Galiani, Rossi, and Schargrodsky (2011) find that conscripted men are more likely to develop a criminal record during adulthood, especially for crimes against property and white collar crimes. They do not provide

¹ Nowadays, 35 percent of nations have military conscription. Although the age of service varies among different countries, most commonly men are conscripted between the ages of 18 and 20.

any evidence on crimes related to intimate partner violence. Ertola Navajas et al. (2020) find that being conscripted increases the likelihood of adopting a military mindset. In particular, they report men who were conscripted are less tolerant, more disciplined, more politically conservative, more authoritarian, and more belligerent.

Our research also relates to the literature that studies the impact of military conscription in other countries and on a wide set of outcomes, including criminal behavior (Siminski, Ville, and Paull 2016; Albaek et al. 2017; Lyk-Jensen 2018) and participation in the labor market (Paloyo 2010; Grenet, Hart, and Roberts 2011; Bauer et al. 2012; Card and Cardoso 2012).²

Various authors compare the pro-military values of individuals who are in (or planning to follow) a military career against individuals who do not. Goertzel and Hengst (1971) compare Army Reserve Officers' Training Corps (ROTC) cadets with undergraduate students and find that Army cadets score higher on personality scales measuring authoritarianism, misanthropy, intolerance, aggressive nationalism, political-economic conservatism, and belief in imperialism. More recently, Jackson et al. (2012) report that people lower in agreeableness and openness to experience are more likely to enter the military. Closer to our paper, Dahl, Kotsadam, and Rooth (2018) document that men with less gender-equal attitudes select into military service. An obvious drawback of these studies is that people self-select into the military service. Our approach avoids selection problems by exploiting a well-documented random assignment. To the best of our knowledge, our paper represents the first effort to identify the causal effect of military conscription on sexist attitudes and intimate partner violence.

² There is also an important amount of research (starting with Angrist 1990) that exploits the Vietnamera draft lottery to identify the causal impact of combat exposure on many outcomes. Combat exposure may be, however, a very different intervention compared to peacetime conscription.

There is a related psychology literature that focuses on the positive link between sexist attitudes and intimate partner violence. Sakalli (2001) shows that men who score high on hostile sexism view wife-beating as being acceptable and blame women for eliciting domestic violence. Glick et al. (2002) report a positive correlation between sexism (either hostile or benevolent) and attitudes that legitimize abuse.

Finally, our study also relates to the literature that looks at the long-term impacts of events that occur during the impressionable years (for example, Malmendier, Tate, and Yan 2011; Giuliano and Spilimbergo 2014; Cantoni et al. 2017). In line with this literature, our paper shows that major events experienced during early adulthood have life-long effects.

II. Military culture and sexism

Our paper focuses on the role that military conscription may have in the socialization process that influences and shape masculine role definitions, attitudes, and related behaviors. Even though the military organization may have changed in recent years in their image regarding sexism, the analysis of the effect of military training must focus on the traditional processes and images of masculinity upon which the system is based (Arkin and Dobrofsky 1978).

Despite some idiosyncratic differences across countries, the purely masculine surroundings of the military and the values associated with the virility ideal play a determining role in molding soldiers' self-image (Elkin 1946). Mechanisms of social control are constantly operating to reinforce the appropriate masculine self-image by negating menaces (like showing emotions) or threats (like homosexuality) to that image.³

³ According to Williams and Weinberg (1971), the official reasons given by the army and the navy for fearing homosexuals are that "(T)he Army considers homosexuals to be unfit for military service because their presence impairs the morale and discipline of the Army, and that homosexuality is a manifestation of a severe personality defect which appreciably limits the ability of such individuals to

Several studies provide evidence on the differences in sexist attitudes between the military and the general population. For example, in a recent study, Dahl, Kotsadam, and Rooth (2018) use data from Norway to compare attitudes related to traditional gender roles between military recruits and the general population. They report that men in the military have less gender-egalitarian attitudes compared to the general population, and conclude that males with less gender-equal attitudes select into military service.

The differences in sexist attitudes between the military and the general population may explain the observed differences in prevalence rates of intimate partner violence between these two groups. Prevalence rates of intimate partner violence among active-duty servicemen and veterans range from 13.5% to 58% (Marshall, Panuzio, and Taft 2005). These relatively high rates are sometimes rationalized as explained by possible over-representation of specific forms of psychopathology. However, studies using military samples not selected on the basis of psychopathology find intimate partner violence perpetration rates that are one to three times higher than rates found in studies of the general population (Straus and Gelles 1990; Marshall, Panuzio, and Taft 2005).

III. Military conscription in Argentina

Military conscription in Argentina was mandatory between 1901 and 1994. The length of service was at least one year in the Army and the Air Force, and up to two years in the Navy. These services began with a three-month instruction period where recruits learned military norms and were exposed to military training. Following the

function effectively in society... Homosexuals and other sexual deviates are military liabilities that cannot be tolerated in a military organization."

initial training, conscripts were allocated to a military unit to perform a specific duty, which not necessarily involved military tasks.⁴

From 1901 to 1976, males served at the age of 21; later, this was modified to age 18. The cohort born in 1955 was the last to serve at age 21, and the cohort born in 1958 was the first to serve at age 18. The cohort born in 1975 was the last that served, as conscription was abolished in December 1994. Our analysis focuses on all cohorts that served at age 18, that is, on cohorts born between 1958 and 1975. Males in these cohorts were eligible to serve in the period 1976 to 1994, and thus our empirical analysis identifies the long-term effects of being exposed to military conscription.

The eligibility of young males for military service was determined through a public lottery and based on the last 3 digits of their national IDs, a unique number assigned at birth to every citizen. Each year a lottery assigned a number between 1 and 1,000 to each combination of the last 3 ID digits. The lottery system was run in a public session using a lottery drum filled with a thousand balls numbered 1 to 1,000. The first ball released from the lottery drum corresponded to ID number 000, the second released ball to ID number 001, and so on. The random assignment was administered by the National Lottery and supervised by the National General Notary in a public session. Results were broadcasted over the radio and published in major newspapers.

Following the lottery, all men were called to have mental and physical examinations. Later on, the government announced a cut-off number. Individuals whose ID number had been assigned a lottery number higher than the cut-off number (and who had also passed the mental and physical examinations) were mandatorily called to military conscription. Those individuals whose ID number was below the

⁴ For more details on military conscription in Argentina, see Rodriguez Molas (1983), Galiani, Rossi, and Schargrodsky (2011), and Ertola Navajas et al. (2020).

cut-off could serve as volunteers, though the number of volunteers was not high (in our cohorts, approximately 3.5%).

IV. Data and the survey

We measure men's sexist attitudes and sexist behaviors using a confidential web-based survey conducted in April and May 2020.⁵ We sent an e-mail invitation to participate in the survey to an e-mail list of approximately 29,500 men. We received 1,219 completed and valid surveys.

The call to answer the survey did not mention military conscription or sexism.⁶ To encourage participation on the survey, participants were included in a raffle for smartphones. Participants entered the raffle with their last three ID digits. Asking for the last three ID digits to participate in raffles is a common practice in Argentina, so there is no reason to expect participants to associate the request of the last three ID digits with military conscription.

Survey questions

Our survey measures five metrics of attitudes (justification of sexism and violence, sexual machismo, negative attitude towards homosexuality, old fashioned sexism, and hostile sexism) and two metrics of intimate partner violence (non-physical abuse and physical violence).⁷

All metrics are constructed from a set of statements obtained from specialized literature. We follow the literature and group the answers to get a single value for each metric. For question on attitudes, the respondents indicate how much they agree or disagree with each statement, on a scale ranging from "Totally disagree" to

⁵ The English version of the survey is presented in the appendix.

⁶ The English version of the recruitment e-mail is presented in the appendix.

⁷ Justification of sexism and violence (Díaz-Aguado and Carvajal 2011), sexual machismo (Díaz Rodríguez, Rosas Rodríguez and González Ramírez 2010), negative attitude towards homosexuality (Zuckerman 1998), old-fashioned sexism (Swim et al. 1995), hostile sexism (Glick and Fiske 1997), non-physical abuse (Garner and Hudson 1992), and physical violence (Straus et al. 1996).

"Totally agree." For questions on intimate partner violence, the respondents indicate the frequency on a scale ranging from "Never" to Always." In all cases, we follow the Likert scale used by the original authors.

From the survey, we also obtained self-reported information on year of birth, conscription status, and pre-treatment characteristics (province of origin, parents' education, parents' nationality, and father's conscription status).

Using the self-reported last three ID digits, year of birth, the lottery draft results, and the cut-off numbers by cohort, we construct the dummy variable *Draft eligible*, which takes the value of one for men whose last three ID digits obtained a lottery draft number above the cut-off, and zero otherwise.⁸ We also construct the treatment variable *Conscription*, which takes the value of one for men who report being conscripted, and zero otherwise.

Table 1 reports summary statistics of the data. We allowed participants to skip questions on physical violence since they could feel upset or uncomfortable for revealing an illegal behavior. Five participants skipped that question.

We check the representativeness of the sample in all pre-treatment variables for which there is population information available. Table 2 compares our sample and the population in pre-treatment parents' nationality and pre-treatment province of origin. Population and sample proportions in parents' nationality are statistically indistinguishable from zero. For 20 out of 22 pre-treatment provinces of origin, the differences between population and sample proportions are statistically indistinguishable from zero. Finally, Figure 1 compares our sample and the population in pre-treatment parents' education. As observed in the figure, the population with low education is under-represented in our sample.

⁸ We obtained lottery draft results and cutoff numbers from Galiani, Rossi, and Schargrodsky (2011).

Interpretation of survey responses

The survey was anonymous and conducted online, so there is no reason to expect social stigma attached to particular responses or any changes in answers due to cues about what constitutes appropriate behavior.

The response rate to our survey is 4.13%. A natural concern in this context is potential selection into the sample. If selection into the sample were nonrandom, our estimated treatment effects might be biased. For nonrandom selection into our sample to threaten the internal validity of our estimates, the selection would need to be differential by draft-eligibility status. We test for differential selection into the survey by draft-eligibility status in five ways.

First, we examine whether the sample proportion of draft-eligible in our sample is similar to the population proportion. Table 3 reports population and sample proportions of draft eligibility, by cohort. For the 17 out of 18 cohorts, the difference between population and sample proportions of draft-eligible is statistically indistinguishable from zero.

Second, we check whether the sample distribution of the last three ID digits in our sample is similar to the population (uniform) distribution. In Figure 2, we display the sample distribution of the last three ID digits, grouping the last three ID digits in bins of 100 consecutive numbers (10 bins of 100 numbers each). The sample distribution looks like a uniform distribution, and we cannot reject the hypothesis that the sample distribution of the last three ID digits is statistically not different from a uniform distribution.

Third, we check whether the sample distribution of the lottery numbers in our sample is similar to the population (uniform) distribution. Again, we first display the sample distribution of the lottery number, grouped in bins of 100 consecutive

numbers. As shown in Figure 3, the sample distribution of the lottery numbers looks like a uniform distribution. In addition, we cannot reject the hypothesis that the sample distribution is statistically not different from a uniform distribution.

Fourth, even though eligibility to serve in the conscription was randomly determined, we examine whether individuals' pre-treatment characteristics are balanced across the draft-eligible and the draft-exempted groups within our sample. Table 4 reports differences in parents' education, parents' nationality, and whether his father served in the conscription, by draft-eligibility status. For 10 out of 11 pre-treatment characteristics available, there are no statistically significant differences between the draft-eligibility status, in the pre-treatment province of origin. For all the 22 pre-treatment provinces of origin, there are no statistically significant different differences between the draft-eligibility status, in the pre-treatment province of origin.

Fifth, we look at within-survey attrition. The proportion of those that started the survey but did not complete it is low (9.10%). In addition, attrition is orthogonal to draft-eligibility assignment: the proportion of attrition is 9.40% in the draft-eligible group, 8.84% in the draft-exempted group, and the difference between these two proportions is statistically not significant.

Since (i) population and sample proportion of draft-eligible are statistically indistinguishable, (ii) the sample distribution of the last three ID digits is statistically not different from the population (uniform) distribution, (iii) the sample distribution of lottery numbers is statistically not different from the population (uniform) distribution, (iv) pre-treatment characteristics are balanced within our sample, and (v) attrition is low and orthogonal to draft-eligibility status, we conclude results reported below are not subject to significant sources of selection bias.⁹

V. Econometric methods and results

We examine the causal effect of conscription on sexism in a regression framework. Formally, we want to estimate the following equation:

$$Y_{ic} = \beta + \alpha \ Conscription_{ic} + \gamma \ X_{ic} + \delta_c + \varepsilon_{ic} \quad (1)$$

where Y_{ic} is a given outcome for individual *i* from birth cohort *c*, *Conscription* is a dummy variable that takes the value of one for those individuals who served, X_{ic} is a vector of individuals' pre-treatment characteristics, δ_c is a cohort fixed effect, and ε_{ic} is an error term. The coefficient of interest is α , which we expect to be positive for all outcomes. In all estimates, we cluster standard errors at the ID-cohort level.

The outcomes are sexist attitudes, non-physical abuse, and physical violence. In order to draw general conclusions in the context of multiple metrics on sexist attitudes, we construct an index that aggregates the five metrics. The index of sexist attitudes is the equally-weighted average of the z-scores of its five components (for more details, see Kling, Liebman, and Katz 2007). A higher z-score is associated with being more sexist. We also report effects on each separate metric.

Conscription may be endogenous in equation (1) due to reverse causality, selfselection, and unobserved heterogeneity. To address potential endogeneity biases, we estimate equation (1) by Two-Stage Least Squares (2SLS), where we use *Draft eligible* as an instrument for *Conscription*. The 2SLS estimator recovers the average treatment effect for draft-lottery compliers, that is, for those who served in the military because they were assigned a high lottery number but would not have served

⁹ Our survey data was collected at the time of a national lockdown implemented in Argentina with the objective to prevent the spread of the coronavirus. The lockdown took place in an environment where few people really felt threatened by the disease. As a consequence of the lockdown, some men were placed in quarantine while others were not (in our sample, 65% of men report being in quarantine). Important for identification purposes, quarantine status is orthogonal to draft-eligibility assignment.

otherwise. Thus, 2SLS estimates do not generalize to the population of volunteers or to the population of young men who, under no circumstances, would have passed the pre-induction medical examination.

Table 6 reports first-stage estimates, with and without controls. The point estimates of the coefficients on *Draft eligible* indicate that the probability of being conscripted is 37.9 percentage points higher for men in the draft-eligible group than for those in the draft-ineligible group. First-stage effects are precisely estimated and significantly different from zero.

As a benchmark, in panel A of Table 7, we report OLS estimates of equation (1). OLS estimates indicate that men who served have more sexist attitudes than those that did not serve.¹⁰ This result holds for the index of sexist attitudes and all of its separate metrics.

Panel B in Table 7 reports our main (2SLS) estimates. The estimated coefficient in column (1) is positive and statistically significant at the 5% level, indicating that being conscripted significantly increases sexist attitudes. The value of the coefficient implies that the index of sexist attitudes is 0.44 standard deviations higher for conscripted men.

To determine whether the effects of military conscription on sexist attitudes are wide-ranging or concentrated on a few outcomes, we estimate the effects on each separate metric. The effect appears quite general. For all five metrics, the point estimates have the expected signs, and 4 of them are statistically significant. The size differences among sexist attributes are important. Regarding 2SLS estimates, sexual machismo is 0.33 standard deviations higher for conscripted men, old-fashioned sexism is 0.40 standard deviations higher, hostile sexism is 0.32 standard deviations

¹⁰ In all cases, we obtain similar results in regression models without controls. All results mentioned and not shown are available from the authors upon request.

higher, and the probability of justifying violent behaviors goes up by 0.50 standard deviations for conscripted men.

We then take a step further and we ask whether military conscription increases intimate partner violence. As shown in Table 8, the answer is yes. Men who were conscripted are more prone to self-report engagement in non-physical abuse and physical violence. The size differences are important. Non-physical abuse and physical violence are 0.48 standard deviations higher for conscripted men.

VI. Final remarks

We provide novel evidence on the role military conscription has on subsequent men's sexist attitudes and intimate partner violence. Our empirical strategy combines administrative data on the conscription lottery in Argentina with self-administered survey data. We find strong evidence that conscripted men are more likely to have sexist attitudes than men that were not conscripted. In addition, the prevalence of intimate partner violence is higher in conscripted men. The magnitudes of the estimated effects are both statistically significant and quite large.

Our findings have important policy implications. Many countries (mostly European, such as Italy, Romania, France, and Germany) are currently evaluating the reintroduction of some kind of military conscription as a policy tool to address multiple purposes, such as producing men that can potentially serve in military conflicts, keeping young men off the streets (so to reduce involvement in criminal activity), improving young men subsequent inclusion into society, etc. Our results are useful for a better understanding of the overall effects of this policy tool.

The military culture, despite some occasional national differences, is similar in most countries around the world (Soeters 1997). This suggests that our results from

Argentina are likely to be valid in other countries and contexts as well, regardless of the specific type of instruction received by recruits.

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Table 1. Sum	Table 1. Summary statistics							
	Obs.	Mean	SD	Min.	Max.			
Conscription	1,219	0.28	0.45	0.00	1.00			
Draft eligible	1,219	0.46	0.50	0.00	1.00			
Negative attitude towards homosexuality	1,219	0.27	0.26	0.00	1.00			
Hostile sexism	1,219	0.48	0.23	0.00	1.00			
Old-fashioned sexism	1,219	0.15	0.18	0.00	1.00			
Justification of violence	1,219	0.13	0.16	0.00	1.00			
Sexual machismo	1,219	0.17	0.17	0.00	1.00			
Index of sexist attitudes	1,219	0.07	0.87	-1.20	4.64			
Physical violence	1,214	0.01	0.04	0.00	0.56			
Non-physical abuse	1,219	0.09	0.12	0.00	0.83			
Father's country of birth	1,219	0.88	0.32	0.00	1.00			
Mother's country of birth	1,219	0.91	0.29	0.00	1.00			
Father served in conscription	1,219	0.62	0.49	0.00	1.00			
Father: no instruction or incomplete primary	1,219	0.12	0.33	0.00	1.00			
Father: complete primary school	1,219	0.31	0.46	0.00	1.00			
Father: complete high school	1,219	0.26	0.44	0.00	1.00			
Father: complete university or more	1,219	0.28	0.45	0.00	1.00			
Mother: no instruction or incomplete primary	1,219	0.12	0.32	0.00	1.00			
Mother: complete primary school	1,219	0.35	0.48	0.00	1.00			
Mother: complete high school	1,219	0.29	0.45	0.00	1.00			
Mother: complete university or more	1,219	0.24	0.42	0.00	1.00			

Table 1. Summary statistics

rubie 2. Representativenet			
	Population	Sample proportion	Difference
	proportion		
Parents' nationality			
Father's country of birth	0.896	0.884	0.013
Mother's country of birth	0.917	0.906	0.010
Province of origin			
Buenos Aires	0.500	0.554	-0.054***
Catamarca	0.008	0.005	0.003
Chaco	0.025	0.019	0.006
Chubut	0.010	0.009	0.001
Cordoba	0.075	0.071	0.004
Corrientes	0.024	0.018	0.006
Entre Rios	0.033	0.026	0.007
Formosa	0.011	0.007	0.004
Jujuy	0.015	0.011	0.004
La Pampa	0.008	0.008	-0.000
La Rioja	0.006	0.005	0.001
Mendoza	0.043	0.041	0.002
Misiones	0.021	0.016	0.005
Neuquen	0.009	0.009	-0.000
Rio Negro	0.014	0.019	-0.005
Salta	0.024	0.023	0.001
San Juan	0.017	0.012	0.005
San Luis	0.008	0.006	0.002
Santa Cruz	0.005	0.005	0.000
Santa Fe	0.089	0.084	0.005
Santiago del Estero	0.022	0.015	0.007**
Tucuman	0.035	0.039	-0.004

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Notes: Data obtained from Argentine Census 2010. Santa Cruz includes the former National Territory of Tierra del Fuego. Buenos Aires includes both the city and the province. *Significant at the 10% level. **Significant at the 5% level. ***Significant at the 1% level.

Table 3. Draft-eligibility status, by cohort					
		Population	Sample		
Cohort	Sample size	proportion of	proportion of	Difference	
		draft eligible	draft eligible		
1958	42	0.827	0.833	0.006	
1959	74	0.682	0.716	0.034	
1960	64	0.661	0.578	-0.083	
1961	80	0.652	0.563	-0.090	
1962	66	0.682	0.742	0.060	
1963	57	0.652	0.596	-0.056	
1964	66	0.602	0.621	0.019	
1965	65	0.620	0.523	-0.097	
1966	64	0.391	0.438	0.046	
1967	60	0.326	0.283	-0.043	
1968	65	0.410	0.385	-0.025	
1969	62	0.442	0.532	0.090	
1970	70	0.505	0.486	-0.019	
1971	76	0.257	0.355	0.098*	
1972	77	0.179	0.169	-0.010	
1973	71	0.236	0.324	0.088	
1974	80	0.219	0.188	-0.032	
1975	80	0.243	0.200	-0.043	

Notes: The population of draft eligible by cohort was obtained from the Argentine Army. *Significant at the 10% level. **Significant at the 5% level. ***Significant at the 1% level.

Table 4. Pre-treatment characteristics, by draft-eligibility assignment					
	Draft	Non draft			
	eligible	eligible	Difference		
	mean	mean			
Father's country of birth	0.878	0.888	-0.010		
	(0.327)	(0.316)	[0.018]		
Mother's country of birth	0.909	0.905	0.004		
	(0.288)	(0.294)	[0.017]		
Father served in conscription	0.610	0.621	-0.011		
	(0.488)	(0.485)	[0.028]		
Father: no instruction or incomplete primary	0.131	0.118	0.012		
	(0.337)	(0.323)	[0.019]		
Father: complete primary school	0.326	0.302	0.024		
	(0.469)	(0.459)	[0.027]		
Father: complete high school	0.249	0.271	-0.023		
	(0.433)	(0.445)	[0.025]		
Father: complete university or more	0.272	0.285	-0.013		
	(0.445)	(0.452)	[0.026]		
Mother: no instruction or incomplete primary	0.118	0.115	0.003		
	(0.323)	(0.319)	[0.018]		
Mother: complete primary school	0.363	0.335	0.028		
	(0.481)	(0.472)	[0.027]		
Mother: complete high school	0.301	0.277	0.023		
	(0.459)	(0.448)	[0.026]		
Mother: complete university or more	0.208	0.261	-0.053**		
	(0.406)	(0.439)	[0.024]		

Notes: Standard deviations are shown in parentheses. Standard errors are shown in brackets. *Significant at the 10% level. **Significant at the 5% level. **Significant at the 1% level.

	Draft eligible	Non draft eligible	Difference
	mean	mean	
Buenos Aires	0.562	0.547	0.015
	(0.497)	(0.498)	[0.029]
Catamarca	0.005	0.005	0.001
	(0.073)	(0.067)	[0.004]
Chaco	0.014	0.023	-0.008
	(0.119)	(0.149)	[0.008]
Chubut	0.013	0.006	0.006
	(0.111)	(0.078)	[0.005]
Cordoba	0.061	0.079	-0.018
	(0.239)	(0.270)	[0.015]
Corrientes	0.021	0.015	0.006
	(0.145)	(0.122)	[0.008]
Entre Rios	0.027	0.026	0.001
	(0.162)	(0.159)	[0.009]
Formosa	0.007	0.008	-0.000
	(0.084)	(0.087)	[0.005]
Jujuy	0.014	0.008	0.007
5.0	(0.119)	(0.087)	[0.006]
La Pampa	0.009	0.008	0.001
1	(0.094)	(0.087)	[0.005]
La Rioja	0.005	0.005	0.001
5	(0.073)	(0.067)	[0.004]
Mendoza	0.047	0.036	0.010
	(0.211)	(0.187)	[0.011]
Misiones	0.013	0.018	-0.006
	(0.111)	(0.134)	[0.007]
Neuquen	0.013	0.006	0.006
	(0.111)	(0.078)	[0.005]
Rio Negro	0.013	0.024	-0.012
C C	(0.111)	(0.154)	[0.008]
Salta	0.025	0.021	0.004
	(0.156)	(0.144)	[0.009]
San Juan	0.011	0.014	-0.003
	(0.103)	(0.116)	[0.006]
San Luis	0.005	0.006	-0.001
	(0.073)	(0.078)	[0.004]
Santa Cruz	0.005	0.005	0.001
	(0.073)	(0.067)	[0.004]
Santa Fe	0.077	0.089	-0.012
	(0.267)	(0.286)	[0.016]
Santiago del Estero	0.016	0.014	0.002
č	(0.126)	(0.116)	[0.007]
Tucuman	0.038	0.039	-0.002
	(0.190)	(0.195)	[0.011]

Table 5. Province of origin, by draft-eligibility assignment

Notes: Santa Cruz includes the former National Territory of Tierra del Fuego. Buenos Aires includes both the city and the province. Standard deviations are shown in parentheses. Standard errors are shown in brackets. *Significant at the 10% level. **Significant at the 5% level. **Significant at the 1% level.

Table 6. First-stage estimates				
	Conscription			
	(1)	(2)		
Draft eligible	0.379***	0.377***		
-	(0.024)	(0.024)		
F-Test	232.13	231.42		
	$\{0.00\}$	$\{0.00\}$		
Controls	No	Yes		
Observations	1,219	1,219		

Notes: Standard errors clustered at the ID-cohort level are shown in parentheses. All models are estimated by OLS and include cohort dummies. The set of controls includes province of origin dummies and all variables listed in Table 4. F-test is the F-test of excluded instruments (p-values are shown in braces). *Significant at the 10% level. **Significant at the 5% level. ***Significant at the 1% level.

Table 7. Impact of conscription on sexist attitudes						
Panel A	Index of sexist attitudes	Negative attitude towards	Sexual machismo	Justification of sexism &	Old-fashioned sexism	Hostile sexism
		homosexuality		violence		
	(1)	(2)	(3)	(4)	(5)	(6)
Conscription	0.344*** (0.072)	0.048** (0.019)	0.050*** (0.014)	0.055*** (0.013)	0.071*** (0.015)	0.060*** (0.017)
Mean of outcome in draft ineligible		0.25	0.16	0.11	0.14	0.46
Estimation method	OLS	OLS	OLS	OLS	OLS	OLS
Observations	1,219	1,219	1,219	1,219	1,219	1,219
Panel B	Index of sexist attitudes	Negative attitude towards homosexuality	Sexual machismo	Justification of sexism & violence	Old-fashioned sexism	Hostile sexism
	(7)	(8)	(9)	(10)	(11)	(12)
Conscription	0.403*** (0.140)	0.047 (0.043)	0.056** (0.028)	0.080*** (0.025)	0.073** (0.029)	0.074* (0.040)
Mean of outcome in draft ineligible		0.25	0.16	0.11	0.14	0.46
Estimation method	2SLS	2SLS	2SLS	2SLS	2SLS	2SLS
Observations	1,219	1,219	1,219	1,219	1,219	1,219

Notes: Standard errors clustered at the ID-cohort level are shown in parentheses. All models include cohort dummies, province of origin dummies, and the set of pre-treatment characteristics listed in Table 4. In 2SLS models, Conscription is instrumented using Draft eligible. *Significant at the 10% level. **Significant at the 5% level. **Significant at the 1% level.

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	Non-	Physical	Non-	Physical
	physical	violence	physical	violence
	abuse		abuse	
	(1)	(2)	(3)	(4)
Conscription	0.033***	0.010**	0.056***	0.020**
-	(0.010)	(0.004)	(0.019)	(0.008)
Mean of outcome in draft ineligible	0.084	0.005	0.084	0.005
Estimation method	OLS	OLS	2SLS	2SLS
Observations	1,219	1,214	1,219	1,214

 Table 8. Impact of conscription on intimate partner violence

Notes: Standard errors clustered at the ID-cohort level are shown in parentheses. All models include cohort dummies, province of origin dummies, and the set of pre-treatment characteristics listed in Table 4. In 2SLS models, Conscription is instrumented using Draft eligible. *Significant at the 10% level. **Significant at the 5% level. ***Significant at the 1% level.



Figure 1. Representativeness: parents' education

Notes: Data obtained from Argentine Census 2010 (education 60+ year-old men and women in 2010).



Figure 2. Distribution of the last three ID digits in our sample



Figure 3. Distribution of the lottery numbers in our sample

Appendix

Invitation to answer the survey

We invite you to participate in an investigation about the relationship between men and women in society. This is a strictly academic project directed by a team of researchers from Universidad de San Andrés and the University of Wisconsin-Madison. Answering this survey should take you about 15 minutes. Your answers are completely anonymous. After completing the questionnaire you will be given a code with which you will be participating in the raffle for a Samsung Galaxy A20 on May 31st, 2020. At the end of the survey, we will give you the details to participate in the raffle.

Survey

Attitudes

a) Homosexuality aversion

- 1. Homosexuals (male or female) should have the right to legally marry.
- 2. Homosexual couples (male or female) should have the right to adopt children.
- 3. Nearly all homosexuals are psychiatrically disturbed.
- 4. Except for differences in sexual preference, homosexuals are as normal as heterosexuals.

b) Hostile sexism

- 5. Many women are actually seeking special favors, such as hiring policies that favor them over men, under the guise of asking for "equality."
- 6. Most women interpret innocent remarks or acts as being sexist.
- 7. Feminists are making entirely reasonable demands to men.

c) Old-fashioned sexism

- 8. Women are generally not as smart as men.
- 9. I would be equally comfortable having a woman as a boss as a man.
- 10. It is more important to encourage boys than to encourage girls to participate in athletics.
- 11. Women are just as capable of thinking logically as men.
- 12. When both parents are employed and their child gets sick at school, the school should call the mother rather than the father.

d) Sexual machismo

- 13. That only the man has sex before marriage.
- 14. That a married man or stable partner has sex with prostitutes.
- 15. A woman must accept the infidelities of her partner.
- 16. The man needs to have several sexual partners at the same time.
- 17. Regardless of the situation or mood, the woman must have sexual relationships when her partner wants to have them.
- 18. The man must make his male son start his sex life (have his first sexual relationship).

e) Justification of sexism and violence

- 19. Violence that occurs within the home is a family matter and should not be disclosed to anyone outside the home.
- 20. When a woman is attacked by her husband, she probably has done something to provoke him.
- 21. A man is justified in assaulting his wife or girlfriend when she decides to leave him.
- 22. If a woman is abused by her partner and does not leave him, it is because she does not dislike the situation as much.
- 23. For the sake of her children, a woman that has to endure violence from her husband or partner, she should not report it.
- 24. In order to have a good relationship, it is desirable that the woman avoids disagreeing with her male partner.
- 25. A good father should let the rest of his family know who is in charge.

Physical violence

- 26. I threw something at my partner that could have hurt her.
- 27. I pushed my partner violently.
- 28. I beat up my partner.

Non-physical abuse

- 29. I insulted my partner.
- 30. I destroyed something that belonged to my partner.
- 31. I make fun of my partner's poor ability to do things.
- 32. I expect my partner to obey me.
- 33. I get very upset and angry if my partner says I've had too much to drink.
- 34. I demand that my partner perform sexual acts that she does not like.
- 35. I carefully control the money I give to my partner.
- 36. I don't want my partner to have any male friends.
- 37. I tell my partner that she is ugly or fat.
- 38. I don't want my partner to work or go to school.
- 39. I don't want my partner to socialize with her friends.