FOR ONLINE PUBLICATION

A List of Variables

Outcome Variables:

- Years of schooling: Number of years of school that the respondent completed.
- Completed junior high school: A dummy variable equal to one if the respondent completed junior high school or above (i.e., completed at least 8 years of schooling).
- Completed high school: A dummy variable equal to one if the respondent completed high school or above (i.e., completed at least 11 years of schooling).
- Completed primary school: A dummy variable equal to one if the respondent completed primary school or above (i.e., completed at least 5 years of schooling).
- Child abuse: A dummy variable equal to one if the respondent has ever hit or physically abused her children.
- Frequent child abuse: A dummy variable equal to one if the respondent has hit or physically abused her children frequently, e.g., a number of times, or many times.
- Men can beat their partners in certain situations: A dummy variable equal to one if the respondent agrees with the statement that men can beat their partners in certain situations.
- It may be necessary to beat children for discipline: A dummy variable equal to one if the respondent agrees with the statement that it may be necessary to beat children for discipline.
- Age at first pregnancy: The age of the respondent during her first pregnancy.
- Number of children: The number of children that the respondent has.
- Employed: A dummy variable equal to one if the respondent was employed last week.
- Employed in services: A dummy variable equal to one if the respondent was employed in services last week.
- Social security: A dummy variable equal to one if the respondent had social security benefits from her job last week.

- Personal income index: A z-score constructed by averaging the z-scores of the income dummy variables, which are calculated by using the mean and standard deviation of the variable. These dummy variables take the value of one if the respondent earns a personal income from the following six sources: rent from owning land, rent from owning a house, income from owning a company or workplace, income from owning a vehicle, having money in the bank, and income from other asset ownership.
- Asset ownership index: A z-score constructed by averaging the z-scores of the asset ownership dummy variables, which are calculated by using the mean and standard deviation of the variable. These dummy variables take the value of one if the respondent's household owns the asset. The following assets are included: refrigerator, deep freezer, gas/electric oven, microwave oven, dishwasher, garbage dispenser, washing machine, drying machine, iron, vacuum cleaner, plasma TV (LCD), home theater, television, satellite TV, paid TV service, DVD/VCD player, cellphone, non-mobile telephone, laptop/tablet computer, desktop computer, internet, air conditioner, car, taxi/mini-bus/bus or other commercial vehicles, and tractor.
- Partner's years of schooling: Number of years of school completed by the respondent's partner.
- Partner's age: The age of the respondent's partner.
- Partner's religiosity index: A z-score calculated as an average of z-scores of partners' characteristics, including a dummy variable that takes the value of one if the partner never drinks alcoholic beverages, a dummy variable that takes the value of one if the partner never gambles, a dummy variable that takes the value of one if the partner never uses narcotic drugs, and a dummy variable that takes the value of one of the partner never had an affair.
- Marriage age: The age of the respondent at the time of her first marriage.
- Marriage decision: A dummy variable equal to one if the respondent decided on marriage together with her husband instead of the decision being made by her or his family.
- Divorced: A dummy variable equal to one if the respondent has ever divorced.
- Physical violence index: A z-score constructed by averaging the z-scores from each of the 6 physical violence indicators, including dummy variables that equal one if the respondent reports that she experienced intimate partner violence acts of (i) slapping or throwing an object that would hurt; (ii) pushing, shoving, or pulling hair; (iii) hitting with his fist or in a way that hurts; (iv) kicking, pushing on the ground, or beating; and (v) choking or burning.

- Psychological violence index: A z-score constructed by averaging the z-scores from each of the following indicators, including dummy variables that equal one if the respondent reports that she experienced intimate partner violence acts of (i) insulting, (ii) humiliating, (iii) scaring or threatening, (iv) attempting to isolate her from her friends, (v) attempting to prevent contact with her family, (vi) insisting on knowing her location, (vii) ignoring her, (viii) becoming angry if she speaks to other men, (ix) suspecting that she is cheating on him, (x) wanting his permission before she seeks healthcare, and (xi) intervening in her clothing choices.
- Financial control index: A z-score constructed by averaging the z-scores from two of the financial control behaviors, including dummy variables that equal one if the respondent reports that she experienced the following behaviors from her intimate partner: (i) taking income from her despite her disapproval and (ii) refusing to give her money for household spending.
- Somatic depression index: A z-score calculated by averaging the z-scores from each of the 4 somatic depression indicators, including dummy variables equal to one if the respondent reports that she experienced the following within the last four weeks: (i) frequent headaches, (ii) trembling hands, (iii) digestion problems, and (iv) heartburn or other stomach problems.
- Nonsomatic depression index: A z-score calculated by averaging the z-scores from each of the 16 nonsomatic depression indicators, including dummy variables equal to one if the respondent reports that she experienced the following within the last four weeks: (i) appetite loss, (ii) trouble sleeping, (iii) felt easily frightened from several things, (iv) felt anxious or nervous, (v) had trouble in thinking clearly, (vi) felt unhappy, (vii) cried more often, (viii) did not enjoy daily activities, (ix) had difficulty making decisions, (x) delayed daily activities, (xi) felt useless, (xii) lost interest in activities that she previously enjoyed, (xiii) felt worthless, (xiv) thought about suicide, (xv) felt tired all the time, and (xvi) got tired easily.
- Overall depression index: A z-score calculated by averaging the z-scores from 20 depression indicators, including 4 somatic and 16 nonsomatic depression indicators, as listed above.
- Child is aggressive: A dummy variable equal to one if the respondent's 6-14 year-old child is aggressive towards the respondent and other children.
- Child has frequent nightmares: A dummy variable equal to one if the respondent's 6-14 year-old child has frequent nightmares.
- Child wets his/her bed: A dummy variable equal to one if the respondent's 6-14 year-old child wets his/her bed.

- Child is shy or introvert: A dummy variable equal to one if the respondent's 6-14 year-old child is shy or introvert.
- Child cries ill-temperedly: A dummy variable equal to one if the respondent's 6-14 year-old child cries ill-temperedly.
- Childhood region, rural: A dummy variable equal to one if the respondent lived in a rural village or district until she was 12 years old.
- Childhood region, urban: A dummy variable equal to one if the respondent lived in an urban area until she was 12 years old.

Covariates:

- Non-Turkish Speaker: A dummy variable equal to one if the respondent speaks a non-Turkish language as her primary language.
- Region dummies: Dummy variables for each of the 12 regions where the respondents lived until they were 12 years old.
- Childhood violence: A dummy variable equal to one if the respondent experienced physical or sexual violence from one of her own family members after age of 15.

Outcome Variables in Appendix C:

- Childhood violence intensity: A dummy variable equal to one if the respondent experienced violence from her own family often after age of 15.
- Childhood violence (overall): A dummy variable equal to one if the respondent experienced violence from her own family or others such as teachers, strangers, etc. after age of 15
- Childhood violence intensity (overall): A dummy variable equal to one if the respondent experienced violence from her own family or others such as teachers, strangers, etc. often during childhood.
- Witnessed violence: A dummy variable equal to one if the respondent witnessed her mother experiencing domestic violence from her husband.
- Fasts: A dummy variable equal to one if the respondent fasts during the month of Ramadan.
- Wears headscarf: A dummy variable equal to one if the respondent wears a headscarf.
- Prays: A dummy variable equal to one if the respondent prays.

• Religiosity index: A z-score constructed by averaging the z-scores from each of the religiosity indicators, including a dummy variable equal to one if the respondent fasts during the month of Ramadan, a dummy variable equal to one if the respondent wears a headscarf, and a dummy variable equal to one if the respondent prays.

B Summary Statistics

Table A1: Summary Statistics for 20- to 34-Year-Old Women Who Have Children

| | Regio | n of Chil | dhood | Difference | |
|--|---------------|----------------------|----------------------|--------------------------|-----------------------|
| | All (1) Mean | Rural (2) Mean | Urban (3) Mean | (2) - (3) (4) Est. | (5) Observations |
| | (S.D.) | (S.D.) | (S.D.) | (S.E.) | (All/Rural/Urban) |
| Panel A: Education | | | | | |
| Years of schooling | 7.52 | 6.73 | 8.55 | -1.82*** | $1,\!807/1,\!101/686$ |
| | (3.86) | (3.72) | (3.78) | (0.21) | 1 000 /1 101 /000 |
| Completed junior high school | 0.51 | 0.42 | 0.63 | -0.21*** | 1,808/1,101/686 |
| Completed high school | (0.50) 0.31 | (0.49) 0.22 | (0.48) 0.42 | (0.03) -0.20*** | 1 000 /1 101 /606 |
| Completed high school | (0.46) | (0.41) | (0.42) | | 1,808/1,101/686 |
| Completed primary school | 0.40) | 0.41) 0.87 | 0.49) 0.92 | (0.03) -0.05*** | 1,808/1,101/686 |
| Completed primary school | (0.31) | (0.33) | (0.27) | (0.02) | 1,000/1,101/000 |
| Panel B: Violence against children | (0.01) | (0.00) | (0.21) | (0.02) | |
| Child abuse | 0.48 | 0.51 | 0.45 | 0.06** | 1,800/1,096/683 |
| Clind abuse | (0.50) | (0.50) | (0.40) | (0.03) | 1,000/1,090/003 |
| Frequent child abuse | (0.30) 0.41 | (0.30) 0.44 | (0.30) 0.38 | 0.06** | 1,800/1,096/683 |
| Frequent clind abuse | (0.49) | (0.50) | (0.48) | (0.03) | 1,000/1,090/009 |
| Panel C: Attitudes against violence | (0.43) | (0.50) | (0.40) | (0.00) | |
| | 0.20 | 0.41 | 0.20 | 0.00*** | 1 710 /1 040 /651 |
| Men can beat their partners in certain situations. | 0.38 | 0.41 | 0.32 | 0.09*** | 1,712/1,040/651 |
| It may be necessary to beat children for discipline. | (0.48) 0.29 | (0.49) 0.30 | (0.47) 0.27 | (0.03) 0.03 | 1,801/1,097/683 |
| it may be necessary to beat children for discipline. | (0.45) | (0.46) | (0.45) | (0.03) | 1,001/1,091/003 |
| Panel D: Mental health outcomes | (0.10) | (0.10) | (0.10) | (0.00) | |
| Overall depression index | 0.02 | 0.04 | -0.01 | 0.05* | 1,808/1,101/686 |
| Overan depression index | (0.52) | (0.52) | (0.53) | (0.03) | 1,000/1,101/000 |
| Somatic depression index | 0.00 | 0.02 | -0.03 | 0.06 | 1,808/1,101/686 |
| Somatic depression index | (0.65) | (0.65) | (0.65) | (0.04) | 1,000/1,101/000 |
| Nonsomatic depression index | 0.02 | 0.04 | -0.01 | 0.05 | 1,808/1,101/686 |
| | (0.52) | (0.52) | (0.53) | (0.03) | -,000/-,-0-/ |
| Panel E: Fertility outcomes | | | | | |
| Age at first pregnancy † | 21.34 | 21.08 | 21.60 | -0.52*** | 1,905/1,143/737 |
| 8 I .0/ 1 | (3.68) | (3.55) | (3.77) | (0.20) | ,, , -, -, -, |
| Number of children † | 1.50 | 1.70 | 1.27 | 0.43*** | 2,425/1,387/1,006 |
| , | (1.18) | (1.21) | (1.08) | (0.05) | , , , , , |
| Panel F: Labor market outcomes | | | | | |
| Employed | 0.19 | 0.18 | 0.21 | -0.03 | 1,808/1,101/686 |
| | (0.39) | (0.38) | (0.41) | (0.02) | |
| Employed in services | 0.14 | 0.11 | 0.18 | -0.07*** | 1,808/1,101/686 |
| | (0.34) | (0.31) | (0.38) | (0.02) | |
| Social security | 0.11 | 0.09 | 0.14 | -0.05*** | 1,808/1,101/686 |
| D 1: | (0.31) | (0.29) | (0.35) | (0.02) | 1 000 /1 101 /05 |
| Personal income index | -0.08 | -0.10 | -0.04 | -0.05** | 1,808/1,101/686 |
| Agast symposis index | (0.45) | (0.44) | (0.47) | (0.03) | 1 000 /1 101 /606 |
| Asset ownership index | 0.08 | (0.24) | (0.24) | -0.14*** | 1,808/1,101/686 |
| | (0.35) | (0.34) | (0.34) | (0.02) | |

Table A1: Summary Statistics for 20- to 34-Year-Old Women Who Have Children, Cont'd

| | Regio | n of Chil | dhood | Difference | |
|------------------------------------|--------|------------|----------------|------------|-------------------|
| | All | Rural | Urban | (2) - (3) | |
| | (1) | (2) | (3) | (4) | (5) |
| | Mean | Mean | Mean | Est. | Observations |
| | (S.D.) | (S.D.) | (S.D.) | (S.E.) | (All/Rural/Urban) |
| Panel G: Marriage market outcomes | | | | | |
| Partner's years of schooling | 8.81 | 8.43 | 9.31 | -0.88*** | 1,792/1,088/684 |
| | (3.61) | (3.55) | (3.62) | (0.21) | |
| Partner's age | 24.81 | 24.60 | 25.04 | -0.44* | 1,805/1,099/685 |
| | (4.25) | (4.31) | (4.11) | (0.24) | |
| Partner's religiosity index | 0.01 | 0.06 | -0.07 | 0.12** | 1,808/1,101/686 |
| | (0.64) | (0.53) | (0.78) | (0.04) | |
| Marriage age | 21.28 | 21.09 | 21.48 | -0.39** | 1,805/1,099/685 |
| | (3.37) | (3.36) | (3.37) | (0.19) | |
| Marriage decision | 0.57 | 0.52 | 0.64 | -0.12*** | 1,808/1,101/686 |
| | (0.49) | (0.50) | (0.48) | (0.03) | |
| Divorced | 0.06 | 0.05 | 0.06 | -0.02 | 1,808/1,101/686 |
| | (0.23) | (0.21) | (0.25) | (0.01) | |
| Panel H: Spousal violence outcomes | | | | | |
| Physical violence index | 0.00 | 0.00 | 0.00 | 0.00 | 1,808/1,101/686 |
| · | (0.79) | (0.79) | (0.80) | (0.05) | . , . , |
| Psychological violence index | 0.05 | 0.05 | 0.04 | 0.01 | 1,808/1,101/686 |
| | (0.55) | (0.54) | (0.58) | (0.03) | |
| Financial control index | -0.04 | -0.05 | -0.05 | 0.00 | 1,801/1,096/684 |
| | (0.80) | (0.78) | (0.81) | (0.04) | |
| Panel I: Child behavior outcomes | | | | | |
| Child is aggressive | 0.26 | 0.27 | 0.25 | 0.02 | 1,128/716/403 |
| | (0.44) | (0.44) | (0.43) | (0.03) | , , |
| Child has frequent nightmares | 0.23 | 0.24 | 0.21 | 0.03 | 1,118/708/402 |
| | (0.42) | (0.43) | (0.41) | (0.03) | |
| Child wets his/her bed | 0.30 | 0.31 | 0.28 | 0.04 | 1,128/716/403 |
| | (0.46) | (0.46) | (0.45) | (0.03) | |
| Child is shy or introvert | 0.48 | 0.49 | 0.47 | 0.03 | 1,126/715/403 |
| | (0.50) | (0.50) | (0.50) | (0.04) | |
| Child cries ill-temperedly | 0.26 | $0.27^{'}$ | 0.25° | 0.02 | 1,128/716/403 |
| | (0.44) | (0.44) | (0.43) | (0.03) | • |
| Panel J: Covariates | | | | | |
| Rural childhood region | 0.59 | 1.00 | 0.00 | 1.00*** | 1,787/1,101/686 |
| | (0.49) | (0.00) | (0.00) | (0.00) | |
| Non-Turkish speaker | 0.01 | 0.01 | 0.00 | 0.01*** | 1,808/1,101/686 |
| | (0.09) | (0.09) | (0.03) | (0.00) | |
| Childhood violence | 0.14 | 0.14 | 0.14 | -0.01 | 1,742/1,057/664 |
| | (0.35) | (0.34) | (0.35) | (0.02) | |

Notes: The table presents the means, standard deviations, and number of observations from the 2014 National Survey on Domestic Violence against Women in Turkey. The sample includes women who have children and who were born within 85 months before or after January 1987. † denotes that age at first pregnancy is reported for women who have ever been pregnant, and number of children is reported for all women, born within 85 months around the discontinuity. Columns 1 - 3 report means and standard deviations in parentheses. Column 4 reports differences in the group means between columns 2 and 3 with standard errors in parentheses. ***, ***, and * denote significance at the 1, 5, and 10 percent levels, respectively. The sum of rural and urban samples is less than the full sample due to missing observations in the region of childhood variable. The variables are described in Appendix A.

Table A1 reports summary statistics for major indicators. Although some of these summary statistics are discussed in detail in the main text, the rest could also be interesting for the reader. For instance, Panel E provides summary statistics for fertility-related outcomes. On average, the age of the respondents at first pregnancy is 21, and the average number of children is 1.5. Women raised in rural regions are slightly younger during their first pregnancy (a difference of 0.5 years) and have a higher fertility rate (a difference of 0.4) than those raised in urban regions.

Panel F presents descriptive statistics for labor market outcomes. Only 19 percent of the 20- to 37-year-old women in our sample were employed, and 14 percent of them were employed in the service sector. These results are consistent with the overall pattern in Turkey, where female labor force participation remains rather low.²⁵ Approximately 11 percent of the respondents worked in a job that had social security benefits. We also construct a personal income index by averaging the z-scores of indicator variables capturing whether the respondent earned a personal income from various sources.²⁶ Higher index values indicate greater personal income. The last row in Panel F reports summary statistics for an index of asset ownership, which is constructed by averaging the z-scores of indicator variables on whether the respondent's household owns 25 different assets.²⁷ Higher index values indicate greater household wealth. On average, compared with women raised in urban areas, women raised in rural areas were 7 ppt less likely to

²⁵In our entire survey dataset, the female labor force participation rate is 22 percent, and the female labor force participation rate in the service sector is 14 percent.

²⁶The sources of personal income include rent from owning land, rent from owning a house, income from owning a company or workplace, income from owning a vehicle, having money in a bank, and income from other asset ownership. We construct a dummy variable for each indicator of personal income that takes a value of 1 if the respondent earns income and 0 otherwise. We use the simple average of the z-scores of these six dummy variables to construct a personal income index for the respondent.

²⁷The asset categories include refrigerator, deep freezer, gas/electric oven, microwave oven, dishwasher, garbage disposal, washing machine, clothes dryer, iron, vacuum cleaner, plasma TV (LCD), home theater, television, satellite TV, paid TV service,

work in the service sector and 5 ppt less likely to have access to social security benefits. They also had relatively lower personal income and asset ownership.

Panel G provides summary statistics for the partner characteristics and marriage market indicators. On average, the respondents' partners had completed 8.8 years of schooling and were 25 years old. We construct a proxy measure of the partner's religiosity by averaging the z-scores of indicator variables on behaviors prohibited by Islam.²⁸ The average age of the respondents at first marriage was 21 years, and 57 percent had chosen to marry their husbands, whereas the other women had undergone arranged marriages. Six percent had ever been divorced. On average, the partners of the women raised in rural areas have approximately 0.9 fewer years of schooling, are 0.4 years younger, and have more religious attitudes. The average age at marriage for women raised in rural areas is 0.4 years younger than that for women raised in urban areas. Women raised in rural areas are 12 ppt less likely to have chosen to marry their husbands. There is no evidence of a significant difference in divorce rates for women raised in different areas.

²⁸The index is a z-score calculated as an average of the z-scores of the partners' characteristics, including a dummy variable that takes a value of 1 if the partner never drinks alcoholic beverages, a dummy variable that takes a value of 1 if the partner never gambles, a dummy variable that takes a value of 1 if the partner never uses narcotic drugs, and a dummy variable that takes a value of 1 of the partner never had an affair. Since Islam prohibits these behaviors by categorizing them as sins, individuals with strong religious beliefs are very unlikely to exhibit them.

gate information from different sets of spousal violence measures to create three summary indices: a physical violence index, a psychological violence index, and a financial control index. We construct these indices by averaging the z-scores of each underlying measure of physical violence, psychological violence, and financial control behavior.²⁹ Higher index values indicate higher levels of spousal violence. The differences between the rural and urban samples are not statistically significant.

Panel I presents descriptive statistics for child behavior outcomes for children aged 6 to 14. On average, 26 percent of women report that their child was aggressive toward them or other children, and the difference between the rural and urban samples is not significant.

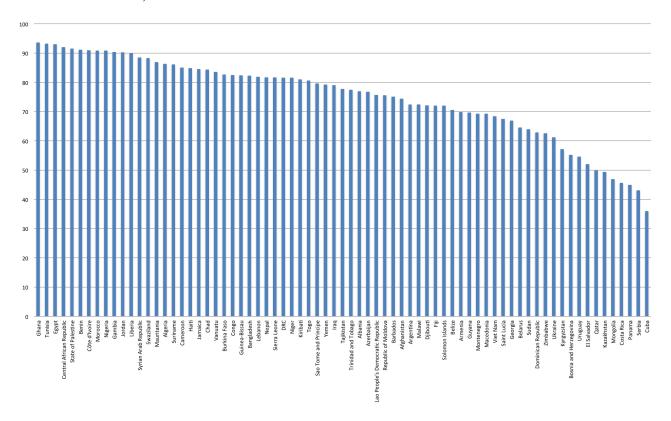
Finally, Panel J of Table A1 reports summary statistics of the predetermined char-

²⁹The physical violence index is a z-score calculated by averaging the z-scores from each of the 6 physical violence indicators, including dummy variables that take a value of 1 if the respondent reports that she experienced intimate partner violence acts in the form of (i) slapping or throwing an object that would hurt; (ii) pushing, shoving, or pulling hair; (iii) hitting with his fist or in a way that hurts; (iv) kicking, pushing to the ground, or beating; and (v) choking or burning. The psychological violence index is a z-score calculated by averaging the z-scores from each of the following indicators, including dummy variables that take s value of 1 if the respondent reports that she experienced intimate partner violence acts of (i) insulting, (ii) humiliating, (iii) scaring or threatening, (iv) attempting to isolate her from her friends, (v) attempting to prevent contact with her family, (vi) insisting on knowing her location, (vii) ignoring her, (viii) becoming angry if she speaks to other men, (ix) suspecting that she is cheating on him, (x) wanting her to seek his permission before obtaining healthcare, and (xi) intervening in her clothing choices. The financial control index is a z-score constructed by averaging the z-scores from two of the financial control behaviors, including dummy variables that take a value of 1 if the respondent reports that she experienced the following behaviors from her intimate partner: (i) taking income from her despite her disapproval and (ii) refusing to give her money for household spending.

acteristics of the 20- to 37-year-old women in our sample who have children. Fifty-nine percent of the women lived in a rural area until the age of 12, and 18 percent lived in villages. Approximately 1 percent had a non-Turkish primary interview language, typically Kurdish or Arabic.

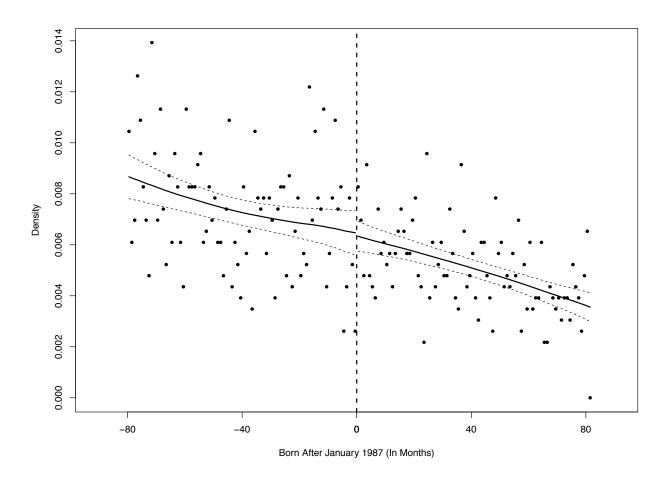
C Additional Figures and Tables

FIGURE A1: PERCENTAGE OF CHILDREN AGED 2 TO 14 YEARS WHO EXPERIENCED ANY VIOLENT DISCIPLINE (PSYCHOLOGICAL AGGRESSION AND/OR PHYSICAL PUNISHMENT) IN THE PAST MONTH

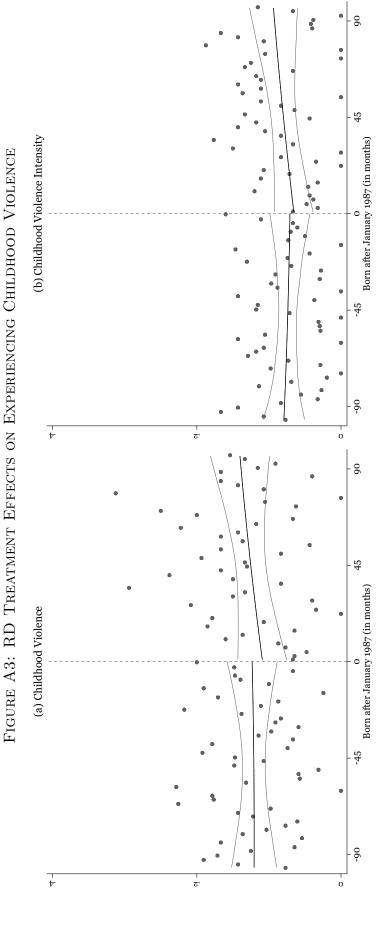


Note: Data are from UNICEF global databases, 2016, based on Demographic and Health Surveys (DHS) and Multiple Indicator Cluster Surveys (MICS) (2005-2015), accessed from https://data.unicef.org/topic/child-protection/violence/violent-discipline/on June 20, 2017.

FIGURE A2: McCrary Density Test

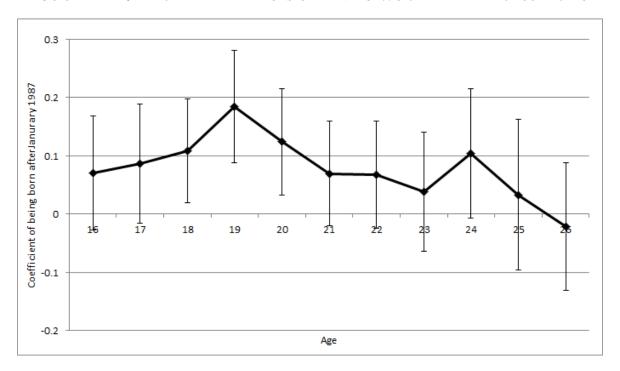


Note: Data are from the 2014 National Survey on Domestic Violence against Women in Turkey. The graph shows the results of the McCrary test of whether there is a discontinuity in the density of the forcing variable, the month of birth.



Note: Data is from the 2014 National Surveys on Domestic Violence against Women in Turkey. The figures plot a dummy variable equal to one if the respondent experienced violence from family members often during childhood in Panel (b) in Banel (b) in monthly bins. Gray lines show 95 percent confidence intervals around the mean level.

FIGURE A4: RD TREATMENT EFFECTS ON HAVING WORKED AT A PARTICULAR AGE



Note: Data is from the 2013 Turkey Demographic and Health Survey. The figure plots the coefficients on the dummy variable of being born after January 1987 in a reduced-form regression discontinuity design for the outcome variables of whether the woman has worked at a particular age in the past. All regressions are estimated within the constant bandwidth of 85 months, and for women who were raised in rural areas and have children; controlling for region fixed effects, mother tongue, and month-of-birth fixed effects. The error bars are 95% confidence intervals.

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Table A2: Effects of the Reform on Childhood Violence

| | | Ove | rall sam | ple | Ru | ıral sam | ple | Urban sample | | |
|--------------------|--------------|----------|----------|---------|---------|----------|---------|--------------|---------|---------|
| | | (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) |
| | | OLS | RF | IV | OLS | RF | IV | OLS | RF | IV |
| Childhood violence | Schooling | -0.002 | -0.023 | -0.026 | -0.001 | -0.056 | -0.047 | -0.002 | 0.020 | 0.034 |
| | | (0.002) | (0.033) | (0.038) | (0.003) | (0.039) | (0.038) | (0.003) | (0.052) | (0.094) |
| | Observations | 2,274 | 2,274 | 2,274 | 1,322 | 1,322 | 1,322 | 952 | 952 | 952 |
| Childhood violence | Schooling | -0.003** | -0.011 | -0.013 | -0.004* | -0.021 | -0.017 | -0.003 | 0.006 | 0.010 |
| intensity | | (0.002) | (0.023) | (0.026) | (0.002) | (0.030) | (0.025) | (0.002) | (0.037) | (0.065) |
| | Observations | 2,268 | 2,268 | 2,268 | 1,319 | 1,319 | 1,319 | 949 | 949 | 949 |

Notes: Data are from the 2014 NSDVW in Turkey, including all women. All columns use a static bandwidth of 85 months, which is the optimal bandwidth estimated for the years of schooling in rural regions of childhood. Column 1 reports OLS results using years of schooling as the independent variable. Columns 2 – 3 report reduced-form RD treatment effects and two-stage least-squares RD treatment effects (by using treatment as an instrument for years of schooling) of being born after January 1987 with a linear control function in the month-year of birth on each side of the discontinuity. Standard errors are clustered at the month-year cohort level. ***, ***, and * denote significance at the 1, 5, and 10 percent levels, respectively.

Table A3: RD Treatment Effects on Schooling Outcomes

| | (1) | (2) | (3) | (4) | (5) | (6) |
|----------------------|------------------------------|----------------------------------|---------------------------------|-----------|-------|------|
| | Linear RD | Linear RD | Linear RD | | | |
| Outcome | $\hat{\mathbf{h}}$ bandwidth | $0.75\hat{\mathbf{h}}$ bandwidth | $1.5\hat{\mathbf{h}}$ bandwidth | Bandwidth | N | Mean |
| Years of schooling | 0.825** | 0.674* | 0.981*** | 85 | 2,386 | 8.48 |
| | (0.335) | (0.369) | (0.274) | | | |
| Completed education: | | | | | | |
| Junior high school | 0.201*** | 0.172*** | 0.186*** | 85 | 2,386 | 0.59 |
| | (0.037) | (0.04) | (0.03) | | | |
| High school | 0.092** | 0.116*** | 0.160*** | 85 | 2,386 | 0.40 |
| | (0.041) | (0.043) | (0.038) | | | |
| Primary school | -0.018 | -0.032 | -0.017 | 85 | 2,386 | 0.91 |
| | (0.026) | (0.029) | (0.021) | | | |

Notes: Data are from the 2014 NSDVW in Turkey, including the full sample of women. Columns 1-3 report local RD regressions with linear polynomials in the month-year of birth using the static bandwidth \hat{h} , 0.75 \hat{h} and 1.5 \hat{h} , respectively. Standard errors are clustered at the month-year cohort level. ***, ***, and * denote significance at the 1, 5, and 10 percent levels, respectively.

Table A4: RD Treatment Effects on Schooling Outcomes Using a Quadratic Polynomial in the Forcing Variable

| | (1) | (2) |
|----------------------|-------------------------|--------------------------------|
| | Quadratic RD | Quadratic RD |
| Outcome | static bandwidth | optimal bandwidth |
| Years of schooling | 0.808** | 0.694** |
| | $(0.339)\dagger$ | $0.303\dagger\dagger$ |
| Mean | 8.48 | 8.48 |
| Bandwidth | 85 | 89 |
| Observations | 2,386 | 2,492 |
| Completed education: | | |
| Junior high school | 0.201*** | 1.191*** |
| | $(0.037)\dagger\dagger$ | $(0.031)\dagger\dagger\dagger$ |
| Mean | 0.59 | 0.60 |
| Bandwidth | 85 | 118 |
| Observations | 2,386 | 3,308 |
| High school | 0.091** | 0.123*** |
| | $(0.042)\dagger\dagger$ | $(0.045)\dagger\dagger$ |
| Mean | 0.40 | 0.40 |
| Bandwidth | 85 | 65 |
| Observations | 2,386 | 1,837 |
| Primary school | -0.021 | -0.022 |
| * | (0.025) | (0.026) |
| Mean | 0.91 | 0.91 |
| Bandwidth | 85 | 93 |
| Observations | 2,386 | 2,630 |

Notes: Data are from the 2014 National Survey on Domestic Violence against Women in Turkey. All results are reported for the full sample of women. Columns 1 and 2 report local RD regressions with quadratic polynomials in the month-year of birth using the static bandwidth of 85 months, which is the optimal bandwidth estimated for the years of schooling in rural regions of childhood, and the optimal bandwidth estimated by the Imbens and Kalyanaraman (2009) algorithm, respectively. The variables are described in Appendix A. All specifications control for a dummy variable for whether the respondent grew up in a rural location, a dummy variable for whether the respondent's mother tongue is not Turkish, month-of-birth fixed effects, region fixed effects, and interactions of region fixed effects with an indicator of rural regions. Standard errors are clustered at the month-year cohort level. ****, ***, and * denote significance at the 1, 5, and 10 percent levels, respectively (based on p-values unadjusted for multiple-hypothesis testing). †††, and † denote significance at the 1, 5, and 10 percent levels, respectively (based on p-values adjusted for multiple-hypothesis testing using Simes adjustment).

Table A5: RD Treatment Effects on Schooling Outcomes (Optimal Bandwidth)

| | (1) | (2) | (3) | (4) | (5) | (6) |
|----------------------|--|----------------------------------|--|-----------|-------|------|
| | Linear RD | Linear RD | Linear RD | | | |
| | $\hat{\mathbf{h}}$ bandwidth | $0.75\hat{\mathrm{h}}$ bandwidth | 1.5h bandwidth | Bandwidth | N | Mean |
| Years of schooling | 0.704** | 0.769** | 1.031*** | 89 | 2,492 | 8.48 |
| Completed education: | $(0.303)\dagger\dagger$ | $(0.349)^{\dagger}$ | $(0.249)\dagger \dagger \dagger$ | | | |
| Junior high school | 0.192*** (0.031)††† | 0.186*** (0.037)††† | 0.186*** (0.027)††† | 118 | 3,308 | 0.60 |
| High school | 0.125*** | 0.081* | 0.078** | 65 | 1,837 | 0.40 |
| Primary school | $(0.044)\dagger\dagger$ -0.020 (0.024) | (0.048) -0.031 (0.028) | $(0.038)^{\dagger}$ -0.020 (0.020) | 93 | 2,630 | 0.91 |

Notes: Data are from the 2014 National Survey on Domestic Violence against Women in Turkey. Columns 1-3 report local RD regressions with linear polynomials in the month-year of birth using the optimal bandwidth \hat{h} , 0.75 \hat{h} and 1.5 \hat{h} , respectively. The optimal bandwidth, reported in column 4, is estimated by using the Imbens and Kalyanaraman (2009) algorithm. Column 5 reports the number of observations used in estimations with the optimal bandwidth \hat{h} , and column 6 reports the outcome mean within the optimal bandwidth \hat{h} . All results are reported for the full sample of women. The variables are described in Appendix A. All specifications control for a dummy variable for whether the respondent grew up in a rural location, a dummy variable for whether the respondent's mother tongue is not Turkish, month-of-birth fixed effects, region fixed effects, and interactions of region fixed effects with an indicator of rural regions. Standard errors are clustered at the month-year cohort level. ***, ***, and * denote significance at the 1, 5, and 10 percent levels, respectively (based on p-values unadjusted for multiple-hypothesis testing). †††, †††, and † denote significance at the 1, 5, and 10 percent levels, respectively (based on p-values adjusted for multiple-hypothesis testing using Simes adjustment).

Table A6: RD Treatment Effects on Schooling by Region of Childhood (Optimal Bandwidth)

| | Rural | childhoo | d region | Urban | childhoo | d region | | | | |
|------------------------------|--------------------|-------------------------|------------------------|--------------------|-------------------------|-----------------|--|--|--|--|
| | (1) | (2) | (3) | $\overline{(4)}$ | (5) | (6) | | | | |
| Bandwidth: | $\hat{\mathrm{h}}$ | $0.75~\hat{\mathrm{h}}$ | $1.5~\hat{\mathrm{h}}$ | $\hat{\mathrm{h}}$ | $0.75~\hat{\mathrm{h}}$ | $1.5 \ \hat{h}$ | | | | |
| Panel A: Sample of All Women | | | | | | | | | | |
| Years of schooling | 1.134** | 1.080** | 1.283*** | 0.413 | 0.560 | 0.763* | | | | |
| | (0.451) | (0.513) | (0.364) | (0.454) | (0.474) | (0.391) | | | | |
| Mean | 7.42 | 7.40 | 7.47 | 9.68 | 9.73 | 9.51 | | | | |
| Bandwidth | 85 | 64 | 128 | 98 | 74 | 147 | | | | |
| Observations | 1,396 | 1,052 | 2,038 | 1,147 | 866 | 1,710 | | | | |
| Panel B: Sample of Women Who | Have C | hildren | | | | | | | | |
| Years of schooling | 1.115** | 1.039* | 1.103** | -0.141 | -0.136 | -0.395 | | | | |
| _ | (0.539) | (0.605) | (0.460) | (0.514) | (0.552) | (0.481) | | | | |
| Mean | 6.81 | 6.80 | 6.68 | 8.52 | 8.32 | 8.55 | | | | |
| Bandwidth | 80 | 60 | 120 | 72 | 54 | 143 | | | | |
| Observations | 1,032 | 779 | 1,455 | 596 | 458 | 825 | | | | |

Notes: Data are from the 2014 National Survey on Domestic Violence against Women in Turkey. Columns 1-3, and 4-6 report local RD regressions with linear polynomials in the month-year of birth using the optimal bandwidth \hat{h} , 0.75 \hat{h} , and 1.5 \hat{h} , respectively. The outcome mean, optimal bandwidth estimated by the Imbens and Kalyanaraman (2009) algorithm, and observation numbers are reported in the rows under the dependent variables. Columns 1-3 report the results for the sample of women who grew up in a rural region, and columns 4-6 report them for the sample of women who grew up in an urban region. Panel A reports the results for the sample of all women, and Panel B reports them for the sample of women who have children. The variables are described in Appendix A. All specifications control for a dummy variable for whether the respondent's mother tongue is not Turkish, month-of-birth fixed effects, and region fixed effects. Standard errors are clustered at the month-year cohort level. ***, **, and * denote significance at the 1, 5, and 10 percent levels, respectively.

Table A7: RD Treatment Effects on Religiosity

| | | Ove | rall samp | le | Rur | al samp | le |
|-----------------------|--------------|--------------------------------|-------------------|-------------------|--------------------------------|-------------------|-------------------|
| | | (1) OLS | (2) RF | (3) IV | (4) OLS | (5) RF | (6) IV |
| Fasts | Schooling | -0.006*** (0.002)††† | -0.006 (0.018) | -0.018 (0.062) | -0.006*** (0.002)††† | -0.026 (0.024) | -0.103 (0.144) |
| | Mean | 0.92 | 0.92 | 0.92 | 0.93 | 0.024) 0.93 | 0.144) 0.93 |
| | Bandwidth | 106 | 106 | 106 | 0.93 117 | 117 | 117 |
| | Observations | 3,084 | 3,085 | 3,084 | 2,314 | 2,315 | 2,314 |
| Wears headscarf | Schooling | -0.035*** | 0.025 | 0.135 | -0.029*** | -0.023 | -0.182 |
| | | $(0.003)\dagger\dagger$ | (0.037) | (0.283) | $(0.004)\dagger\dagger\dagger$ | (0.045) | (0.543) |
| | Mean | 0.71 | 0.71 | 0.71 | 0.79 | 0.79 | 0.79 |
| | Bandwidth | 94 | 94 | 94 | 77 | 77 | 77 |
| | Observations | 2,790 | 2,791 | 2,790 | 1,639 | 1,640 | 1,639 |
| Prays | Schooling | -0.007** | 0.085** | 0.455 | -0.007** | 0.062 | 0.424 |
| | | $(0.003)\dagger\dagger$ | $(0.033)\dagger$ | (0.639) | $(0.004)\dagger\dagger$ | (0.044) | (0.887) |
| | Mean | 0.74 | 0.74 | 0.74 | 0.77 | 0.77 | 0.77 |
| | Bandwidth | 95 | 95 | 95 | 79 | 79 | 79 |
| | Observations | 2,812 | 2,813 | 2,812 | 1,672 | 1,673 | 1,672 |
| Religiosity index | Schooling | -0.037*** | 0.087 | 0.432 | -0.039*** | 0.032 | 0.180 |
| | | $(0.005)\dagger\dagger\dagger$ | (0.054) | (0.604) | $(0.006)\dagger\dagger\dagger$ | (0.073) | (0.482) |
| | Mean | 0.04 | 0.04 | 0.04 | 0.13 | 0.13 | 0.13 |
| | Bandwidth | 88 | 88 | 88 | 84 | 84 | 84 |
| | Observations | 2,671 | 2,672 | 2,671 | 1,756 | 1,757 | 1,756 |
| Attended Koran course | Schooling | 0.005 | 0.012 | 0.076 | 0.008** | -0.073 | -0.377 |
| | | (0.004) | (0.049) | (0.313) | $(0.004)\dagger\dagger$ | (0.053) | (0.668) |
| | Mean | 0.48 | 0.48 | 0.48 | 0.48 | 0.48 | 0.48 |
| | Bandwidth | 83 | 83 | 83 | 102 | 102 | 102 |
| | Observations | 2,568 | 2,569 | 2,568 | 2,076 | 2,077 | 2,076 |

Notes: Data are from the 2013 Turkey Demographic and Health Survey. The sample includes women who have children. The optimal bandwidth is estimated by using the Imbens and Kalyanaraman (2009) algorithm. Column 1 reports OLS results using years of schooling as the independent variable for an optimal bandwidth \hat{h} estimated by the Imbens and Kalyanaraman algorithm. Columns 2 – 3 report reduced-form RD treatment effects and two-stage least-squares RD treatment effects (by using treatment as an instrument for years of schooling) of being born after January 1987 with a linear control function in the month-year of birth on each side of the discontinuity. Columns 1-3 report these results for the overall sample, and columns 4-6 report results from the same specifications for the subsample of respondents whose childhood region of residence was rural. The variables are described in Appendix A. All specifications control for a dummy variable for whether the respondent's mother tongue is not Turkish, month-of-birth fixed effects, and region fixed effects. The first three columns also control for whether the respondent grew up in a rural location, and interactions of region fixed effects with an indicator of rural regions. Standard errors are clustered at the month-year cohort level. ***, **, and * denote significance at the 1, 5, and 10 percent levels, respectively (based on p-values unadjusted for multiple-hypothesis testing). †††, ††, and † denote significance at the 1, 5, and 10 percent levels, respectively (based on p-values adjusted for multiple-hypothesis testing using Simes adjustment).

Table A8: Effects of Education on Violence Against Children (Optimal Bandwidth)

| | | Ov | erall samp | le | R | ural sampl | e |
|----------------------|---------------------------------------|--------------------------------|--------------------------------|-------------|--------------------------------|--------------------------------|-------------------------|
| | | (1) OLS | (2) RF | (3) IV | (4) OLS | (5) RF | (6) IV |
| Panel A: RD Treat | ment Effects | | | | | | |
| Child abuse | Schooling | -0.021*** | 0.007 | 0.033 | -0.024*** | 0.024 | 0.025 |
| | | $(0.003)\dagger\dagger\dagger$ | (0.046) | (0.226) | $(0.005)\dagger\dagger\dagger$ | (0.067) | (0.068) |
| | Mean | 0.49 | 0.49 | 0.49 | 0.51 | 0.51 | 0.51 |
| | Bandwidth | 94 | 94 | 94 | 89 | 89 | 89 |
| | Observations | 1,932 | 1,932 | 1,932 | 1,140 | 1,140 | 1,140 |
| Frequent child abuse | Schooling | -0.020*** | 0.056 | 0.196 | -0.021*** | 0.053 | 0.058 |
| • | | $(0.003)\dagger\dagger\dagger$ | (0.043) | (0.269) | $(0.005)\dagger\dagger\dagger$ | (0.072) | (0.085) |
| | Mean | 0.42 | 0.42 | 0.42 | 0.44 | 0.44 | 0.44 |
| | Bandwidth | 106 | 106 | 106 | 92 | 92 | 92 |
| | Observations | 2,131 | 2,131 | 2,131 | 1,164 | 1,164 | 1,164 |
| Panel B: RD Treat | ment Effects by Exposure to | Childhood | Violence | | | | |
| Child abuse | Schooling | -0.019*** | 0.032 | 0.746 | -0.023*** | 0.083 | 0.097 |
| | | $(0.004)\dagger\dagger\dagger$ | (0.047) | (5.790) | $(0.005)\dagger\dagger\dagger$ | (0.068) | (0.096) |
| | Schooling \times Childhood violence | -0.000 | -0.060 | -0.623 | 0.002 | -0.224** | -0.148** |
| | | (0.011) | (0.084) | (4.547) | (0.018) | $(0.103)\dagger\dagger$ | $(0.074)\dagger\dagger$ |
| | Childhood violence | 0.198** | 0.224*** | 4.979 | 0.238* | 0.341*** | 1.308** |
| | | $(0.086)\dagger\dagger$ | $(0.049)\dagger\dagger\dagger$ | (34.975) | (0.123) | $(0.056)\dagger\dagger\dagger$ | $(0.531)\dagger\dagger$ |
| | Mean | 0.49 | 0.49 | 0.49 | 0.51 | 0.51 | 0.51 |
| | Bandwidth | 94 | 94 | 94 | 89 | 89 | 89 |
| | Observations | 1,864 | 1,864 | 1,864 | 1,096 | 1,096 | 1,096 |
| Frequent child abuse | Schooling | -0.018*** | 0.080* | 1.065 | -0.020*** | 0.108 | 0.134 |
| 1 | | $(0.003)\dagger\dagger\dagger$ | (0.044) | (4.903) | $(0.005)\dagger\dagger\dagger$ | (0.073) | (0.122) |
| | Schooling × Childhood violence | -0.011 | -0.060 | -0.957 | -0.001 | -0.268** | -0.185** |
| | J | (0.011) | (0.081) | (4.309) | (0.018) | $(0.103)\dagger\dagger$ | $(0.084)\dagger\dagger$ |
| | Childhood violence | 0.257*** | 0.204*** | $7.475^{'}$ | 0.250* | 0.344*** | 1.557** |
| | | $(0.095)\dagger\dagger$ | $(0.046)\dagger\dagger\dagger$ | (32.864) | (0.134) | $(0.062)\dagger\dagger\dagger$ | $(0.613)\dagger\dagger$ |
| | Mean | 0.42 | 0.42 | 0.42 | 0.44 | 0.44 | 0.44 |
| | Bandwidth | 106 | 106 | 106 | 92 | 92 | 92 |
| | Observations | 2,055 | 2,055 | 2,055 | 1,119 | 1,119 | 1,119 |

Notes: Data are from the 2014 National Survey on Domestic Violence against Women in Turkey. The sample includes women who have children. The optimal bandwidth is estimated by using the Imbens and Kalyanaraman (2009) algorithm. Panel A reports the RD treatment effects of the reform, and Panel B reports them by exposure to childhood violence, i.e., whether the respondent experienced violence from her own family members during her childhood. Columns 1 reports OLS results using years of schooling as the independent variable for an optimal bandwidth \hat{h} estimated by the Imbens and Kalyanaraman algorithm. Columns 2 – 3 report reduced-form RD treatment effects and two-stage least-squares RD treatment effects (by using treatment as an instrument for years of schooling) of being born after January 1987 with a linear control function in the month-year of birth on each side of the discontinuity. Columns 1 – 3 report these results for the overall sample, and columns 4 – 6 report results from same specifications for the subsample of respondents whose childhood region of residence was rural. The variables are described in Appendix A. All specifications control for a dummy variable for whether the respondent's mother tongue is not Turkish, month-of-birth fixed effects, and region fixed effects. The first three columns also control for whether the respondent grew up in a rural location, and interactions of region fixed effects with an indicator of rural regions. Standard errors are clustered at the month-year cohort level. ***, ***, and * denote significance at the 1, 5, and 10 percent levels, respectively (based on p-values unadjusted for multiple-hypothesis testing). †††, †††, and † denote significance at the 1, 5, and 10 percent levels, respectively (based on p-values adjusted for multiple-hypothesis testing using Simes adjustment).

Table A9: Effects of Education on Child Behavior

| | | Ove | erall samp | le | R | ural sampl | le |
|-------------------------------|---------------------------------------|------------|------------|-----------|------------|------------|-----------|
| | | (1) OLS | (2) RF | (3) IV | (4) OLS | (5) RF | (6) IV |
| Child is aggressive | Schooling | -0.005 | 0.035 | 0.080 | 0.001 | 0.123 | 0.156 |
| | | (0.005) | (0.066) | (0.097) | (0.007) | (0.097) | (0.149) |
| | Schooling \times Childhood violence | -0.011 | -0.202 | -0.154 | -0.049** | -0.499*** | -0.248* |
| | | (0.015) | (0.122) | (0.126) | (0.020) | (0.097) | (0.136) |
| | Childhood violence | 0.161 | 0.111** | 1.112 | 0.390*** | 0.164** | 1.578* |
| | | (0.118) | (0.052) | (0.852) | (0.146) | (0.071) | (0.845) |
| | Mean | 0.26 | 0.26 | 0.26 | 0.27 | 0.27 | 0.27 |
| | Bandwidth | 85 | 85 | 85 | 85 | 85 | 85 |
| | Observations | 1,075 | 1,075 | 1,075 | 684 | 684 | 684 |
| Child has frequent nightmares | Schooling | -0.014*** | 0.051 | 0.105 | -0.013* | 0.077 | 0.085 |
| | | (0.005) | (0.063) | (0.125) | (0.007) | (0.089) | (0.118) |
| | Schooling \times Childhood violence | -0.005 | -0.244** | -0.195 | 0.012 | -0.276* | -0.136 |
| | | (0.017) | (0.117) | (0.148) | (0.021) | (0.150) | (0.110) |
| | Childhood violence | 0.105 | 0.099** | 1.374 | 0.057 | 0.166** | 0.939 |
| | | (0.132) | (0.048) | (0.995) | (0.144) | (0.066) | (0.671) |
| | Mean | 0.23 | 0.23 | 0.23 | 0.24 | 0.24 | 0.24 |
| | Bandwidth | 85 | 85 | 85 | 85 | 85 | 85 |
| | Observations | 1,067 | 1,067 | 1,067 | 677 | 677 | 677 |
| Child wets his/her bed | Schooling | -0.008 | -0.023 | -0.018 | -0.007 | 0.003 | 0.007 |
| · | | (0.005) | (0.087) | (0.120) | (0.008) | (0.102) | (0.114) |
| | Schooling \times Childhood violence | 0.005 | -0.085 | -0.016 | -0.023 | -0.103 | -0.031 |
| | | (0.015) | (0.149) | (0.143) | (0.024) | (0.193) | (0.118) |
| | Childhood violence | 0.071 | 0.108* | 0.205 | 0.168 | 0.037 | 0.205 |
| | | (0.116) | (0.055) | (0.954) | (0.164) | (0.072) | (0.714) |
| | Mean | 0.30 | 0.30 | 0.30 | 0.31 | 0.31 | 0.31 |
| | Bandwidth | 85 | 85 | 85 | 85 | 85 | 85 |
| | Observations | 1,075 | 1,075 | 1,075 | 684 | 684 | 684 |
| Child is shy or introvert | Schooling | -0.017*** | 0.130* | 0.219 | -0.017** | 0.153 | 0.177 |
| - | _ | (0.005) | (0.073) | (0.198) | (0.007) | (0.102) | (0.181) |
| | Schooling × Childhood violence | 0.012 | -0.250 | -0.305 | -0.006 | -0.065 | -0.160 |
| | _ | (0.017) | (0.151) | (0.233) | (0.026) | (0.203) | (0.170) |
| | Childhood violence | 0.040 | 0.157*** | 2.160 | 0.096 | 0.077 | 1.037 |
| | | (0.135) | (0.055) | (1.565) | (0.167) | (0.078) | (1.037) |
| | Mean | 0.48 | 0.48 | 0.48 | 0.49 | 0.49 | 0.49 |
| | Bandwidth | 85 | 85 | 85 | 85 | 85 | 85 |
| | Observations | 1,074 | 1,074 | 1,074 | 683 | 683 | 683 |
| Child cries ill-temperedly | Schooling | -0.009 | 0.035 | 0.043 | -0.005 | 0.053 | 0.067 |
| 1 0 | <u> </u> | (0.006) | (0.074) | (0.102) | (0.009) | (0.106) | (0.121) |
| | Schooling × Childhood violence | 0.006 | 0.028 | -0.030 | 0.011 | -0.174 | -0.097 |
| | 5 | (0.016) | (0.114) | (0.122) | (0.023) | (0.172) | (0.113) |
| | Childhood violence | 0.106 | 0.136*** | 0.339 | 0.065 | 0.141* | 0.697 |
| | | (0.118) | (0.052) | (0.816) | (0.156) | (0.073) | (0.701) |
| | Mean | 0.46 | 0.46 | 0.46 | 0.45 | 0.45 | 0.45 |
| | Bandwidth | 85 | 85 | 85 | 85 | 85 | 85 |
| | Observations | 1,074 | 1,074 | 1,074 | 683 | 683 | 683 |

Notes: Data are from the 2014 NSDVW in Turkey, including women who have children between 6 and 14 years old. All columns use a static bandwidth of 85 months, which is the optimal bandwidth estimated for the years of schooling in rural regions of childhood. Standard errors are clustered at the month-year cohort level. ***, **, and * denote significance at the 1, 5, and 10 percent levels, respectively.

Table A10: Effects of Education on Violence Against Children (Overall and Witnessed Violence)

| | | Ov | erall samp | le | R | ural sampl | e |
|----------------------|---|--------------------------------|--------------------------------|-----------|--------------------------------|--------------------------------|-------------------------|
| | | (1) OLS | (2) RF | (3) IV | (4) OLS | (5) RF | (6) IV |
| Panel A: RD Treat | ment Effects by Exposure to Childho | od Violence | e (Overall) | | | | |
| Child abuse | Schooling | -0.019*** | 0.026 | 0.819 | -0.023*** | 0.080 | 0.094 |
| | | $(0.004)\dagger\dagger\dagger$ | (0.047) | (7.802) | $(0.005)\dagger\dagger\dagger$ | (0.068) | (0.099) |
| | Schooling \times Childhood violence (overall) | -0.010 | -0.071 | -0.547 | -0.006 | -0.195** | -0.134* |
| | | (0.009) | (0.078) | (4.718) | (0.014) | $(0.096)\dagger\dagger$ | $(0.070)\dagger$ |
| | Childhood violence (overall) | 0.267*** | 0.220*** | 4.428 | 0.292*** | 0.312*** | 1.181** |
| | | $(0.073)\dagger\dagger\dagger$ | $(0.043)\dagger\dagger\dagger$ | (36.698) | $(0.096)\dagger\dagger\dagger$ | $(0.048)\dagger\dagger\dagger$ | $(0.492)\dagger\dagger$ |
| | Mean | 0.49 | 0.49 | 0.49 | 0.51 | 0.51 | 0.51 |
| | Bandwidth | 94 | 94 | 94 | 89 | 89 | 89 |
| | Observations | 1,930 | 1,930 | 1,930 | 1,139 | 1,139 | 1,139 |
| Frequent child abuse | Schooling | -0.018*** | 0.072 | 0.774 | -0.020*** | 0.106 | 0.133 |
| | | $(0.003)\dagger\dagger\dagger$ | (0.044) | (2.834) | $(0.005)\dagger\dagger\dagger$ | (0.073) | (0.125) |
| | Schooling \times Childhood violence | -0.016* | -0.049 | -0.530 | -0.008 | -0.219** | -0.159** |
| | | (0.009) | (0.075) | (1.902) | (0.014) | $(0.096)\dagger\dagger$ | $(0.075)\dagger$ |
| | Childhood violence | 0.278*** | 0.181*** | 4.246 | 0.285*** | 0.296*** | 1.334** |
| | | $(0.078)\dagger\dagger$ | $(0.040)\dagger\dagger\dagger$ | (14.655) | $(0.103)\dagger\dagger\dagger$ | $(0.051)\dagger\dagger$ | $(0.538)\dagger\dagger$ |
| | Mean | 0.42 | 0.42 | 0.42 | 0.44 | 0.44 | 0.44 |
| | Bandwidth | 106 | 106 | 106 | 92 | 92 | 92 |
| | Observations | 2,129 | 2,129 | 2,129 | 1,163 | 1,163 | 1,163 |
| Panel B: RD Treat | ment Effects by Exposure to Witness | ing Violenc | e | | | | |
| Child abuse | Schooling | -0.018*** | -0.005 | -0.020 | -0.021*** | 0.039 | 0.044 |
| | | $(0.004)\dagger\dagger\dagger$ | (0.047) | (0.201) | $(0.005)\dagger\dagger\dagger$ | (0.073) | (0.088) |
| | Schooling \times Witnessed violence | -0.011 | 0.031 | 0.059 | -0.017** | -0.019 | -0.023 |
| | | (0.007) | (0.059) | (0.124) | $(0.009)\dagger$ | (0.074) | (0.064) |
| | Witnessed violence | 0.266*** | 0.176*** | -0.264 | 0.369*** | 0.247*** | 0.392 |
| | | $(0.058)\dagger\dagger\dagger$ | $(0.033)\dagger\dagger\dagger$ | (0.936) | $(0.066)\dagger\dagger\dagger$ | $(0.039)\dagger\dagger\dagger$ | (0.439) |
| | Mean | 0.49 | 0.49 | 0.49 | 0.51 | 0.51 | 0.51 |
| | Bandwidth | 94 | 94 | 94 | 89 | 89 | 89 |
| | Observations | 1,878 | 1,878 | 1,878 | 1,102 | 1,102 | 1,102 |
| Frequent child abuse | Schooling | -0.019*** | 0.038 | 0.104 | -0.020*** | 0.053 | 0.065 |
| | | $(0.004)\dagger\dagger\dagger$ | (0.045) | (0.206) | (0.006) | (0.076) | (0.106) |
| | Schooling \times Witnessed violence | -0.008 | 0.052 | 0.103 | -0.010 | 0.008 | -0.013 |
| | | (0.007) | (0.060) | (0.200) | $(0.009)\dagger\dagger\dagger$ | (0.078) | (0.071) |
| | Witnessed violence | 0.216*** | 0.143*** | -0.627 | 0.280*** | 0.204*** | 0.287 |
| | | $(0.061)\dagger\dagger\dagger$ | $(0.034)\dagger\dagger\dagger$ | (1.514) | $(0.078)\dagger\dagger$ | $(0.043)\dagger\dagger\dagger$ | (0.486) |
| | Mean | 0.42 | 0.42 | 0.42 | 0.44 | 0.44 | 0.44 |
| | Bandwidth | 106 | 106 | 106 | 92 | 92 | 92 |
| | Observations | 2,067 | 2,067 | 2,067 | 1,126 | 1,126 | 1,126 |

Notes: Data are from the 2014 National Survey on Domestic Violence against Women in Turkey. The sample includes women who have children. The optimal bandwidth is estimated by using the Imbens and Kalyanaraman (2009) algorithm. Panel A reports the RD treatment effects of the reform by exposure to overall childhood violence, i.e., whether the respondent experienced violence from her own family members or others (teachers, strangers, etc.) during her childhood; and Panel B reports them by exposure to home violence, i.e., whether she witnessed violence against her mother during her childhood. Columns 1 reports OLS results using years of schooling as the independent variable for an optimal bandwidth \hat{h} estimated by the Imbens and Kalyanaraman algorithm. Columns 2 – 3 report reduced-form RD treatment effects and two-stage least-squares RD treatment effects (by using treatment as an instrument for years of schooling) of being born after January 1987 with a linear control function in the month-year of birth on each side of the discontinuity. Columns 1 – 3 report these results for the overall sample, and columns 4 – 6 report results from the same specifications for the subsample of respondents whose childhood region of residence was rural. The variables are described in Appendix A. All specifications control for a dummy variable for whether the respondent's mother tongue is not Turkish, month-of-birth fixed effects, and region fixed effects. The first three columns also control for whether the respondent grew up in a rural location, and interactions of region fixed effects with an indicator of rural regions. Standard errors are clustered at the month-year cohort level. ****, ***, and ** denote significance at the 1, 5, and 10 percent levels, respectively (based on p-values adjusted for multiple-hypothesis testing). †††, ††, and † denote significance at the 1, 5, and 10 percent levels, respectively (based on p-values adjusted for multiple-hypothesis testing using Simes adjustment).

TABLE A11: RD TREATMENT EFFECTS IN RURAL CHILDHOOD REGIONS WITH DIFFERENT OPTIMAL BANDWIDTH SELECTION METHODS

| | | | CCT | | | IK | |
|-----------------------------|---------------------------------------|------------|-----------|-----------|------------|-------------|-----------|
| | | (1) OLS | (2) RF | (3) IV | (4) OLS | (5) RF | (6) IV |
| Years of schooling | Schooling | | 1.172** | | | 1.134** | |
| | | | (0.464) | | | (0.451) | |
| | Mean | | 7.45 | | | 7.42 | |
| | Bandwidth | | 81 | | | 85 | |
| | Observations | | 1,316 | | | 1,396 | |
| Child abuse | Schooling | -0.021*** | 0.069 | 0.073 | -0.023*** | 0.083 | 0.097 |
| | | (0.005) | (0.061) | (0.068) | (0.005) | (0.068) | (0.096) |
| | Schooling × Childhood violence | 0.007 | -0.157* | -0.113* | 0.002 | -0.224** | -0.148** |
| | Cl. 11 11 1 1 1 1 | (0.014) | (0.095) | (0.066) | (0.018) | (0.103) | (0.074) |
| | Childhood violence | 0.165* | 0.267*** | 1.008** | 0.238* | 0.341*** | 1.308** |
| | 3.6 | (0.095) | (0.045) | (0.454) | (0.123) | (0.056) | (0.531) |
| | Mean | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 |
| | Bandwidth | 158 | 158 | 158 | 89 | 89 | 89 |
| | Observations | 1,703 | 1,703 | 1,703 | 1,096 | 1,096 | 1,096 |
| Frequent child abuse | Schooling | -0.019*** | 0.111 | 0.164 | -0.020*** | 0.108 | 0.134 |
| | | (0.007) | (0.087) | (0.220) | (0.005) | (0.073) | (0.122) |
| | Schooling \times Childhood violence | 0.034 | -0.225* | -0.174 | -0.001 | -0.268** | -0.185** |
| | | (0.021) | (0.120) | (0.147) | (0.018) | (0.103) | (0.084) |
| | Childhood violence | 0.113 | 0.427*** | 1.590 | 0.250* | 0.344*** | 1.557** |
| | | (0.163) | (0.065) | (1.066) | (0.134) | (0.062) | (0.613) |
| | Mean | 0.45 | 0.45 | 0.45 | 0.44 | 0.44 | 0.44 |
| | Bandwidth | 51 | 51 | 51 | 92 | 92 | 92 |
| | Observations | 640 | 640 | 640 | 1,119 | 1,119 | 1,119 |
| Men can beat their partners | Schooling | -0.012 | 0.049 | -1.958 | -0.023*** | 0.053 | 0.052 |
| in certain situations. | | (0.008) | (0.152) | (76.347) | (0.005) | (0.068) | (0.070) |
| | Schooling × Childhood violence | 0.019 | 0.024 | 0.980 | -0.010 | -0.067 | -0.056 |
| | | (0.032) | (0.184) | (37.465) | (0.013) | (0.110) | (0.065) |
| | Childhood violence | -0.033 | 0.094 | -6.871 | 0.169 | 0.120** | 0.490 |
| | | (0.277) | (0.133) | (266.660) | (0.103) | (0.056) | (0.446) |
| | Mean | 0.43 | 0.43 | 0.43 | 0.41 | 0.41 | 0.41 |
| | Bandwidth | 24 | 24 | 24 | 88 | 88 | 88 |
| | Observations | 284 | 284 | 284 | 1,039 | 1,039 | 1,039 |
| It may be necessary to beat | Schooling | -0.024*** | 0.039 | 0.041 | -0.024*** | 0.025 | 0.027 |
| children for discipline. | | (0.004) | (0.051) | (0.061) | (0.004) | (0.049) | (0.055) |
| | Schooling \times Childhood violence | -0.004 | 0.019 | -0.008 | -0.008 | 0.009 | -0.009 |
| | | (0.014) | (0.088) | (0.053) | (0.013) | (0.084) | (0.048) |
| | Childhood violence | 0.098 | 0.076 | 0.147 | 0.119 | 0.075 | 0.147 |
| | | (0.114) | (0.058) | (0.383) | (0.104) | (0.052) | (0.344) |
| | Mean | 0.30 | 0.30 | 0.30 | 0.29 | 0.29 | 0.29 |
| | Bandwidth | 90 | 90 | 90 | 99 | 99 | 99 |
| | Observations | 1,097 | 1,097 | 1,097 | 1,189 | 1,189 | 1,189 |
| Age at first pregnancy | Schooling | 0.338*** | 0.448 | 0.535 | 0.360*** | 0.650* | 0.672 |
| | - | (0.041) | (0.473) | (0.586) | (0.037) | (0.359) | (0.437) |
| | Schooling \times Childhood violence | -0.067 | 1.128 | 0.100 | -0.095 | $0.871^{'}$ | 0.161 |
| | ~ | (0.092) | (0.680) | (0.586) | (0.083) | (0.547) | (0.401) |
| | Childhood violence | 0.798 | 0.076 | -0.314 | 0.767 | $0.036^{'}$ | -0.778 |
| | | (0.588) | (0.439) | (4.216) | (0.599) | (0.411) | (2.922) |
| | Mean | 20.76 | 20.76 | 20.76 | 21.14 | 21.14 | 21.14 |
| | Bandwidth | 55 | 55 | 55 | 106 | 106 | 106 |
| | Observations | 712 | 712 | 712 | 1,336 | 1,336 | 1,336 |
| | | | | | ,,,,, | ,,,,, | ,,,,, |

TABLE A11: RD TREATMENT EFFECTS IN RURAL CHILDHOOD REGIONS WITH DIFFERENT OPTIMAL BANDWIDTH SELECTION METHODS, CONT'D

| | | | CCT | | | IK | |
|------------------------------|---------------------------------------|------------|-----------|-----------|------------|-----------|-----------|
| | | (1) OLS | (2) RF | (3) IV | (4) OLS | (5) RF | (6) IV |
| Number of children | Schooling | -0.135*** | -0.095 | -0.077 | -0.146*** | -0.135 | -0.139 |
| | - | (0.011) | (0.129) | (0.113) | (0.010) | (0.113) | (0.120) |
| | Schooling \times Childhood violence | -0.039 | -0.184 | -0.026 | -0.014 | -0.109 | 0.006 |
| | | (0.026) | (0.224) | (0.099) | (0.026) | (0.198) | (0.077) |
| | Childhood violence | 0.168 | -0.025 | 0.104 | -0.059 | -0.045 | -0.164 |
| | | (0.240) | (0.145) | (0.792) | (0.242) | (0.125) | (0.616) |
| | Mean | 1.71 | 1.71 | 1.71 | 1.69 | 1.69 | 1.69 |
| | Bandwidth | 68 | 68 | 68 | 88 | 88 | 88 |
| | Observations | 1,055 | 1,055 | 1,055 | 1,382 | 1,382 | 1,382 |
| Employed | Schooling | 0.013** | -0.017 | 1.384 | 0.014*** | 0.027 | 0.034 |
| | | (0.005) | (0.059) | (171.338) | (0.004) | (0.037) | (0.046) |
| | Schooling \times Childhood violence | -0.014 | -0.164 | -0.532 | -0.003 | -0.061 | -0.044 |
| | | (0.013) | (0.114) | (55.249) | (0.014) | (0.079) | (0.049) |
| | Childhood violence | 0.184** | 0.135* | 4.192 | 0.087 | 0.088 | 0.378 |
| | | (0.091) | (0.071) | (436.585) | (0.100) | (0.055) | (0.360) |
| | Mean | 0.12 | 0.12 | 0.12 | 0.18 | 0.18 | 0.18 |
| | Bandwidth | 36 | 36 | 36 | 93 | 93 | 93 |
| | Observations | 482 | 482 | 482 | 1,139 | 1,139 | 1,139 |
| Personal income index | Schooling | 0.015** | -0.033 | -0.027 | 0.013*** | -0.052 | -0.053 |
| | | (0.006) | (0.068) | (0.073) | (0.005) | (0.058) | (0.074) |
| | Schooling \times Childhood violence | 0.034 | -0.070 | -0.018 | 0.026 | -0.069 | -0.011 |
| | | (0.039) | (0.107) | (0.087) | (0.033) | (0.091) | (0.069) |
| | Childhood violence | -0.269 | -0.017 | 0.078 | -0.218 | -0.020 | 0.019 |
| | | (0.226) | (0.090) | (0.666) | (0.190) | (0.077) | (0.528) |
| | Mean | -0.08 | -0.08 | -0.08 | -0.10 | -0.10 | -0.10 |
| | Bandwidth | 69 | 69 | 69 | 89 | 89 | 89 |
| | Observations | 877 | 877 | 877 | 1,101 | 1,101 | 1,101 |
| Partner's years of schooling | Schooling | 0.500*** | 0.948 | 2.886 | 0.502*** | 1.043** | 1.149* |
| | | (0.043) | (0.603) | (5.023) | (0.034) | (0.440) | (0.669) |
| | Schooling × Childhood violence | -0.164 | 1.803* | -1.151 | -0.150 | 0.647 | -0.301 |
| | | (0.121) | (0.924) | (3.280) | (0.095) | (0.726) | (0.566) |
| | Childhood violence | 0.627 | -1.164** | 8.299 | 0.632 | -0.730* | 1.901 |
| | | (0.935) | (0.558) | (24.158) | (0.765) | (0.420) | (4.052) |
| | Mean | 8.59 | 8.59 | 8.59 | 8.47 | 8.47 | 8.47 |
| | Bandwidth | 46 | 46 | 46 | 79 | 79 | 79 |
| | Observations | 600 | 600 | 600 | 979 | 979 | 979 |
| Marriage decision | Schooling | 0.035*** | 0.116 | 0.148 | 0.038*** | 0.162*** | 0.146* |
| | | (0.006) | (0.070) | (0.144) | (0.005) | (0.057) | (0.086) |
| | Schooling × Childhood violence | 0.038** | 0.213** | -0.014 | 0.041*** | 0.265*** | 0.064 |
| | | (0.015) | (0.103) | (0.117) | (0.011) | (0.085) | (0.072) |
| | Childhood violence | -0.265** | -0.071 | 0.105 | -0.292*** | -0.103* | -0.409 |
| | | (0.123) | (0.080) | (0.836) | (0.092) | (0.060) | (0.518) |
| | Mean | 0.55 | 0.55 | 0.55 | 0.53 | 0.53 | 0.53 |
| | Bandwidth | 53 | 53 | 53 | 87 | 87 | 87 |
| | Observations | 664 | 664 | 664 | 1,076 | 1,076 | 1,076 |

TABLE A11: RD TREATMENT EFFECTS IN RURAL CHILDHOOD REGIONS WITH DIFFER-ENT OPTIMAL BANDWIDTH SELECTION METHODS, CONT'D

| | | | CCT | | | IK | |
|------------------------------|---------------------------------------|------------------|---------------------|------------------|------------------|---------------------|---------------------|
| | | (1) OLS | (2) RF | (3) IV | (4) OLS | (5) RF | (6) IV |
| Physical violence index | Schooling | -0.014 | -0.147 | 0.182 | -0.021*** | -0.040 | -0.031 |
| | | (0.012) | (0.228) | (0.519) | (0.007) | (0.089) | (0.104) |
| | Schooling × Childhood violence | -0.024 | -0.471 | -0.317 | -0.044* | -0.303 | -0.141 |
| | Charles I and | (0.066) | (0.337) | (0.300) | (0.026) | (0.197) | (0.129) |
| | Childhood violence | 0.591 | 0.561** | 2.619 | 0.754*** | 0.547*** | 1.419 |
| | 2.6 | (0.433) | (0.271) | (2.170) | (0.233) | (0.130) | (0.919) |
| | Mean | 0.02 | 0.02 | 0.02 | 0.01 | 0.01 | 0.01 |
| | Bandwidth | 24 | 24 | 24 | 108 | 108 | 108 |
| D 11:1:1 :1 | Observations | 325 | 325 | 325 | 1,311 | 1,311 | 1,311 |
| Psychological violence index | Schooling | -0.025*** | 0.021 | 0.026 | -0.025*** | 0.036 | 0.041 |
| | C-lliy Childhd-i-l | (0.006) | (0.088) | (0.088) | (0.005) | (0.084) | (0.090) |
| | Schooling × Childhood violence | -0.003 | -0.107 | -0.068 | 0.004 | -0.097 | -0.071 |
| | Childhood violence | (0.029) | (0.136) $0.317***$ | (0.096) | (0.027) | (0.133) $0.315****$ | (0.090) |
| | Childhood violence | 0.289 | | 0.758 | (0.180) | | 0.785 |
| | Maria | (0.196) | (0.084) | (0.697) | (0.189) | (0.076) | (0.648) |
| | Mean Bandwidth | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 |
| | Observations | 70 877 | 70 877 | 70 877 | 79 980 | 79 080 | 79 |
| Overall depression index | | -0.018** | -0.062 | -0.294 | -0.022*** | $980 \\ 0.017$ | $980 \\ 0.039$ |
| Overall depression index | Schooling | | | | | | |
| | Cohooling v Childhood violence | (0.008) -0.033 | (0.096) $-0.552***$ | (0.850) | (0.005) | (0.067) -0.286** | (0.088) -0.169** |
| | Schooling \times Childhood violence | (0.030) | (0.143) | -0.100 (0.395) | 0.004 (0.015) | | (0.081) |
| | Childhood violence | 0.509*** | 0.449*** | (0.393) 0.858 | 0.013) $0.257**$ | (0.115) $0.368***$ | 1.449** |
| | Cilidiiood violence | (0.188) | | (2.916) | | | |
| | Mean | 0.166 | $(0.087) \\ 0.05$ | (2.910) 0.05 | (0.111) 0.03 | $(0.056) \\ 0.03$ | $(0.575) \\ 0.03$ |
| | Bandwidth | 44 | 44 | 44 | 115 | 115 | 0.03 115 |
| | Observations | 567 | 567 | 567 | 1,360 | 1,360 | 1,360 |
| Somatic depression index | Schooling | -0.027*** | -0.003 | 0.004 | -0.033*** | 0.054 | 0.071 |
| Somatic depression index | Schooling | (0.008) | (0.085) | (0.091) | (0.007) | (0.075) | (0.112) |
| | Schooling \times Childhood violence | -0.005 | -0.403*** | -0.178* | 0.013 | -0.340** | -0.192* |
| | Schooling × Childhood violence | (0.031) | (0.137) | (0.106) | (0.025) | (0.143) | (0.103) |
| | Childhood violence | 0.162 | 0.276*** | 1.348* | 0.122 | 0.333*** | 1.543** |
| | Cinidiood violonee | (0.210) | (0.091) | (0.774) | (0.170) | (0.081) | (0.736) |
| | Mean | 0.01 | 0.01 | 0.01 | 0.03 | 0.03 | 0.03 |
| | Bandwidth | 64 | 64 | 64 | 96 | 96 | 96 |
| | Observations | 817 | 817 | 817 | 1,167 | 1,167 | 1,167 |
| Nonsomatic depression index | | -0.016* | -0.170 | -1.379 | -0.019*** | 0.040 | 0.054 |
| | 2 | (0.009) | (0.115) | (9.691) | (0.005) | (0.077) | (0.106) |
| | Schooling × Childhood violence | -0.039 | -0.546*** | 0.226 | -0.011 | -0.290** | -0.160** |
| | 0 | (0.033) | (0.190) | (3.675) | (0.017) | (0.127) | (0.081) |
| | Childhood violence | 0.584*** | 0.476*** | -1.758 | 0.378*** | 0.407*** | 1.414** |
| | | (0.207) | (0.111) | (28.426) | (0.120) | (0.063) | (0.575) |
| | Mean | 0.06 | 0.06 | 0.06 | 0.04 | 0.04 | 0.04 |
| | Bandwidth | 37 | 37 | 37 | 95 | 95 | 95 |
| | Observations | 496 | 496 | 496 | 1,156 | 1,156 | 1,156 |

Notes: Data are from the 2014 National Survey on Domestic Violence against Women in Turkey. The sample includes women who have children and whose childhood region is rural. The optimal bandwidth is estimated by using the Calonico et al. (2014) (CCT) algorithm in columns 1 - 3, and the IK algorithm in columns 4 - 6. The RD treatment effects of the reform are reported by exposure to childhood violence, i.e., whether the respondent experienced violence from her own family members during her childhood. Columns 1 and 2 report OLS results using years of schooling as the independent variable. Columns 2 and 5, and columns 3 and 6 report reduced-form RD treatment effects and two-stage least-squares RD treatment effects (by using treatment as an instrument for years of schooling) of being born after January 1987 with a linear control function in the month-year of birth on each side of the discontinuity, respectively. All specifications control for a dummy variable for whether the respondent's mother tongue is not Turkish, month-of-birth fixed effects, and region fixed effects. The first three columns also control for whether the respondent grew up in a rural location, and interactions of region fixed effects with an indicator of rural regions. Standard errors are clustered at the month-year cohort level. ***, **, and * denote significance at the 1, 5, and 10 percent levels, respectively. 72

TABLE A12: EFFECTS OF EDUCATION ON ATTITUDES TOWARD VIOLENCE (OPTIMAL BANDWIDTH)

| | | Ove | erall samp | le | Rui | ral sampl | <u>e</u> |
|--|---------------------------------------|---------------------------------|----------------------------|------------------------------|---|----------------------------|----------------------------|
| | | (1) OLS | (2) RF | (3) IV | (4) OLS | (5) RF | (6) IV |
| Panel A: RD Treatment | Effects | | | | | | |
| Men can beat their partners in certain situations. | Schooling | -0.024*** (0.004)††† | 0.024 (0.057) | 0.040 (0.101) | -0.024*** (0.005)††† | 0.023 (0.069) | 0.021 (0.063) |
| | Mean | 0.38 | 0.38 | 0.38 | 0.41 | 0.41 | 0.41 |
| | Bandwidth | 83 | 83 | 83 | 88 | 88 | 88 |
| | Observations | 1,651 | 1,651 | 1,651 | 1,080 | 1,080 | 1,080 |
| It may be necessary to beat children for discipline. | Schooling | -0.019*** (0.003)††† | 0.031 (0.041) | 0.104 (0.185) | -0.025*** (0.004)††† | 0.022 (0.051) | 0.022 (0.051) |
| | Mean | 0.28 | 0.28 | 0.28 | 0.29 | 0.29 | 0.29 |
| | Bandwidth | 107 | 107 | 107 | 99 | 99 | 99 |
| | Observations | 2,131 | 2,131 | 2,131 | 1,236 | 1,236 | 1,236 |
| Panel B: RD Treatment 1 | Effects by Exposure to Childhe | ood Violen | ce | | | | |
| Men can beat their partners | Schooling | -0.024*** | 0.046 | 0.154 | -0.023*** | 0.053 | 0.052 |
| in certain situations. | Schooling \times Childhood violence | (0.004)††† -0.003 (0.011) | (0.055) -0.066 (0.092) | (0.233) -0.162 (0.206) | $(0.005)\dagger\dagger\dagger$ -0.010 (0.013) | (0.068) -0.067 (0.110) | (0.070) -0.056 (0.065) |
| | Childhood violence | 0.114 (0.091) | 0.113** (0.048)†† | 1.323 (1.561) | 0.169 (0.103) | 0.120** (0.056)† | 0.490 (0.446) |
| | Mean | 0.38 | 0.38 | 0.38 | 0.41 | 0.41 | 0.41 |
| | Bandwidth | 83 | 83 | 83 | 88 | 88 | 88 |
| | Observations | 1,589 | 1,589 | 1,589 | 1,039 | 1,039 | 1,039 |
| It may be necessary to beat children for discipline. | Schooling | -0.018*** (0.003)††† | 0.035 (0.042) | 0.357 (1.522) | -0.024*** (0.004)††† | 0.025 (0.049) | 0.027 (0.055) |
| emarch for discipline. | Schooling × Childhood violence | -0.005 | 0.042) 0.017 | -0.297 | -0.008 | 0.009 | -0.009 |
| | Schooling / Childhood violence | (0.010) | (0.065) | (1.388) | (0.013) | (0.084) | (0.048) |
| | Childhood violence | 0.010) | 0.058 | 2.329 | 0.119 | 0.075 | 0.147 |
| | 2 | (0.088) | (0.039) | (10.558) | (0.104) | (0.052) | (0.344) |
| | Mean | 0.28 | 0.28 | 0.28 | 0.29 | 0.29 | 0.29 |
| | Bandwidth | 107 | 107 | 107 | 99 | 99 | 99 |
| | Observations | 2,056 | 2,056 | 2,056 | 1,189 | 1,189 | 1,189 |

Notes: Data are from the 2014 National Survey on Domestic Violence against Women in Turkey. The sample includes women who have children. The optimal bandwidth is estimated by using the Imbens and Kalyanaraman (2009) algorithm. Panel A reports the RD treatment effects of the reform, and Panel B reports them by exposure to childhood violence, i.e., whether the respondent experienced violence from her own family members during her childhood. Columns 1 reports OLS results using years of schooling as the independent variable. Columns 2 – 3 report reduced-form RD treatment effects and two-stage least-squares RD treatment effects (by using treatment as an instrument for years of schooling) of being born after January 1987 with a linear control function in the month-year of birth on each side of the discontinuity. Columns 1 – 3 report these results for the overall sample, and columns 4 – 6 report results from same specifications for the subsample of respondents whose childhood region of residence was rural. The variables are described in Appendix A. All specifications control for a dummy variable for whether the respondent smooth Turkish, month-of-birth fixed effects, and region fixed effects. The first three columns also control for whether the respondent grew up in a rural location, and interactions of region fixed effects with an indicator of rural regions. Standard errors are clustered at the month-year cohort level. ***, **, and * denote significance at the 1, 5, and 10 percent levels, respectively (based on p-values unadjusted for multiple-hypothesis testing). †††, ††, and † denote significance at the 1, 5, and 10 percent levels, respectively (based on p-values adjusted for multiple-hypothesis testing using Simes adjustment).

Table A13: Effects of Education on Mental Health Outcomes (Optimal Bandwidth)

| | | Ove | erall sampl | e | R | ural sampl | e |
|-----------------------------|---------------------------------------|---|---|----------------------------|--|--|---------------------------------|
| | | (1) OLS | (2) RF | (3) IV | (4) OLS | (5) RF | (6) IV |
| Panel A: RD Treatment E | Effects | | | | | | |
| Overall depression index | Schooling | -0.024*** (0.005)††† | -0.037 (0.046) | -0.073 (0.106) | -0.023*** (0.005)††† | -0.060 (0.065) | -0.062 (0.071) |
| | Mean Bandwidth | 0.02 77 | 0.02 77 | 0.02 77 | 0.03 115 | 0.03 115 | 0.03 115 |
| | Observations | 1.644 | 1,644 | 1,644 | 1,412 | 1,412 | 1,412 |
| Somatic depression index | Schooling | -0.035*** (0.005)††† | -0.019 (0.055) | -0.056 (0.162) | -0.033*** (0.006)††† | -0.028 (0.071) | -0.031 (0.075) |
| | Mean | 0.00 | 0.00 | 0.00 | 0.03 | 0.03 | 0.03 |
| | Bandwidth | 106 | 106 | 106 | 96 | 96 | 96 |
| Nonsomatic depression index | Observations Schooling | 2,122 -0.023*** | 2,122 -0.037 | 2,122 -0.063 | 1,212 -0.020*** | 1,212 -0.032 | 1,212 -0.036 |
| | Mean | $(0.005)\dagger\dagger\dagger$ 0.03 | (0.050) 0.03 | (0.096) 0.03 | $(0.005)\dagger\dagger\dagger$ 0.04 | (0.076) 0.04 | (0.085) 0.04 |
| | Bandwidth | 75 | 75 | 75 | 95 | 95 | 95 |
| | Observations | 1,574 | 1,574 | 1,574 | 1,201 | 1,201 | 1,201 |
| Panel B: RD Treatment E | Offects by Exposure to Childho | od Violenc | e | | | | |
| Overall depression index | Schooling | -0.023*** | 0.001 | 0.114 | -0.022*** | 0.017 | 0.039 |
| | Schooling \times Childhood violence | $(0.005)\dagger\dagger\dagger$ 0.005 | (0.050) -0.126 | (0.277) -0.203 | $(0.005)\dagger \dagger \dagger \dagger 0.004$ | (0.067) -0.286** | (0.088) -0.169** |
| | Childhood violence | (0.012) 0.284*** | (0.096) 0.364*** | (0.270) 1.852 | (0.015) 0.257** | (0.115)†† 0.368*** | (0.081)† 1.449** |
| | Mean | $(0.100)\dagger\dagger\dagger$ 0.02 | $(0.044)^{\dagger\dagger\dagger}$ 0.02 | (2.055) 0.02 | $(0.111)\dagger\dagger$ 0.03 | $(0.056)\dagger\dagger\dagger$ 0.03 | $(0.575)\dagger\dagger$ 0.03 |
| | Bandwidth | 77 | 77 | 77 | 115 | 115 | 115 |
| | Observations | 1,584 | 1,584 | 1,584 | 1,360 | 1,360 | 1,360 |
| Somatic depression index | Schooling | -0.037*** (0.006)††† | 0.025 (0.059) | 0.410 (1.264) | -0.033*** (0.007)††† | 0.054 (0.075) | 0.071 (0.112) |
| | Schooling \times Childhood violence | 0.029** | -0.249** (0.111)† | -0.583 (1.185) | 0.013 (0.025) | -0.340** (0.143)†† | -0.192* (0.103)† |
| | Childhood violence | 0.062 (0.106) | 0.350*** | 4.657 (9.023) | 0.122 (0.170) | 0.333*** | 1.543** (0.736)†† |
| | Mean | 0.00 | 0.00 | 0.00 | 0.170) | 0.03 | 0.03 |
| | Bandwidth | 106 | 106 | 106 | 96 | 96 | 96 |
| | Observations | 2,045 | 2,045 | 2,045 | 1,167 | 1,167 | 1,167 |
| Nonsomatic depression index | Schooling | -0.022*** (0.005)††† | 0.002 (0.055) | 0.077 (0.228) | -0.019*** (0.005)††† | 0.040 (0.077) | 0.054 (0.106) |
| | Schooling \times Childhood violence | -0.001 (0.013) | -0.098 (0.102) | (0.228) -0.147 (0.245) | -0.011 (0.017) | -0.290** (0.127)†† | -0.160** (0.081)† |
| | Childhood violence | 0.342*** (0.112)††† | 0.102) 0.370*** (0.049)††† | (0.243) 1.443 (1.857) | 0.378*** (0.120)††† | 0.407*** (0.063)††† | 1.414** |
| | Mean | 0.03 | 0.03 | 0.03 | 0.04 | 0.04 | 0.04 |
| | Bandwidth | 75 | 75 | 75 | 95 | 95 | 95 |
| | Observations | 1,518 | 1,518 | 1,518 | 1,156 | 1,156 | 1,156 |

Notes: Data are from the 2014 National Survey on Domestic Violence against Women in Turkey. The sample includes all women. The optimal bandwidth is estimated by using the Imbens and Kalyanaraman (2009) algorithm. Panel A reports the RD treatment effects of the reform, and Panel B reports them by exposure to childhood violence, i.e., whether the respondent experienced violence from her own family members during her childhood. Columns 1 reports OLS results using years of schooling as the independent variable. Columns 2 – 3 report reduced-form RD treatment effects and two-stage least-squares RD treatment effects (by using treatment as an instrument for years of schooling) of being born after January 1987 with a linear control function in the month-year of birth on each side of the discontinuity. Columns 1 – 3 report these results for the overall sample, and columns 4 – 6 report results from same specifications for the subsample of respondents whose childhood region of residence was rural. The variables are described in Appendix A. All specifications control for a dummy variable for whether the respondent's mother tongue is not Turkish, month-of-birth fixed effects, and region fixed effects. The first three columns also control for whether the respondent grew up in a rural location, and interactions of region fixed effects with an indicator of rural regions. Standard errors are clustered at the month-year cohort level. ***, **, and * denote significance at the 1, 5, and 10 percent levels, respectively (based on p-values unadjusted for multiple-hypothesis testing). †††, ††, and † denote significance at the 1, 5, and 10 percent levels, respectively (based on p-values adjusted for multiple-hypothesis testing using Simes adjustment).

Table A14: Effects of Education on Fertility Outcomes (Optimal Bandwidth)

| | | Ov | erall sampl | le | Ru | al sampl | e |
|------------------------|---------------------------------------|--------------------------------|--------------------------------|----------|--------------------------------|------------------|---------|
| | | (1) | (2) | (3) | (4) | (5) | (6) |
| | | OLS | RF | IV | OLS | RF | IV |
| Panel A: RD Treatm | nent Effects | | | | | | |
| Age at first pregnancy | Schooling | 0.441*** | 0.183 | 0.442 | 0.357*** | 0.723** | 0.703* |
| | | $(0.025)\dagger\dagger\dagger$ | (0.253) | (0.600) | $(0.035)\dagger\dagger\dagger$ | $(0.335)\dagger$ | (0.373) |
| | Mean | 21.48 | 21.48 | 21.48 | 21.14 | 21.14 | 21.14 |
| | Bandwidth | 121 | 121 | 121 | 106 | 106 | 106 |
| | Observations | 2,481 | 2,481 | 2,481 | 1,388 | 1,388 | 1,388 |
| Number of children | Schooling | -0.144*** | -0.113 | -0.137 | -0.147*** | -0.149 | -0.137 |
| | | (0.007) | $(0.100)\dagger\dagger\dagger$ | (0.112) | $(0.009)\dagger\dagger\dagger$ | (0.108) | (0.099) |
| | Mean | 1.51 | 1.51 | 1.51 | 1.69 | 1.69 | 1.69 |
| | Bandwidth | 73 | 73 | 73 | 88 | 88 | 88 |
| | Observations | 2,056 | 2,056 | 2,056 | 1,445 | 1,445 | 1,445 |
| Panel B: RD Treatn | nent Effects by Exposure to Cl | hildhood V | iolence | | | | |
| Age at first pregnancy | Schooling | 0.442*** | 0.147 | 0.016 | 0.360*** | 0.650* | 0.672 |
| | | $(0.027)\dagger\dagger\dagger$ | (0.259) | (1.519) | $(0.037)\dagger\dagger\dagger$ | (0.359) | (0.437) |
| | Schooling \times Childhood violence | -0.096 | 0.823* | 0.920 | -0.095 | 0.871 | 0.161 |
| | | (0.078) | (0.448) | (1.862) | (0.083) | (0.547) | (0.401) |
| | Childhood violence | 0.514 | -0.407 | -7.147 | 0.767 | 0.036 | -0.778 |
| | | (0.601) | (0.325) | (14.394) | (0.599) | (0.411) | (2.922) |
| | Mean | 21.48 | 21.48 | 21.48 | 21.14 | 21.14 | 21.14 |
| | Bandwidth | 121 | 121 | 121 | 106 | 106 | 106 |
| | Observations | 2,385 | 2,385 | 2,385 | 1,336 | 1,336 | 1,336 |
| Number of children | Schooling | -0.141*** | -0.124 | -0.149 | -0.146*** | -0.135 | -0.139 |
| | | $(0.007)\dagger\dagger\dagger$ | (0.102) | (0.130) | $(0.010)\dagger\dagger\dagger$ | (0.113) | (0.120) |
| | Schooling × Childhood violence | -0.023 | -0.084 | -0.014 | -0.014 | -0.109 | 0.006 |
| | | (0.016) | (0.150) | (0.075) | (0.026) | (0.198) | (0.077) |
| | Childhood violence | $0.065^{'}$ | -0.038 | 0.023 | -0.059 | -0.045 | -0.164 |
| | | (0.173) | (0.108) | (0.664) | (0.242) | (0.125) | (0.616) |
| | Mean | 1.51 | 1.51 | 1.51 | 1.69 | 1.69 | 1.69 |
| | Bandwidth | 73 | 73 | 73 | 88 | 88 | 88 |
| | Observations | 1,963 | 1,963 | 1,963 | 1,382 | 1,382 | 1,382 |

Notes: Data are from the 2014 National Survey on Domestic Violence against Women in Turkey. The sample includes all women. The optimal bandwidth is estimated by using the Imbens and Kalyanaraman (2009) algorithm. Panel A reports the RD treatment effects of the reform, and Panel B reports them by exposure to childhood violence, i.e., whether the respondent experienced violence from her own family members during her childhood. Columns 1 reports OLS results using years of schooling as the independent variable. Columns 2 – 3 report reduced-form RD treatment effects and two-stage least-squares RD treatment effects (by using treatment as an instrument for years of schooling) of being born after January 1987 with a linear control function in the month-year of birth on each side of the discontinuity. Columns 1 – 3 report these results for the overall sample, and columns 4 – 6 report results from same specifications for the subsample of respondents whose childhood region of residence was rural. The variables are described in Appendix A. All specifications control for a dummy variable for whether the respondent's mother tongue is not Turkish, month-of-birth fixed effects, and region fixed effects. The first three columns also control for whether the respondent grew up in a rural location, and interactions of region fixed effects with an indicator of rural regions. Standard errors are clustered at the month-year cohort level. ****, ***, and * denote significance at the 1, 5, and 10 percent levels, respectively (based on p-values unadjusted for multiple-hypothesis testing). †††, ††, and † denote significance at the 1, 5, and 10 percent levels, respectively (based on p-values adjusted for multiple-hypothesis testing using Simes adjustment).

Table A15: Effects of Education on Labor Market Outcomes (Optimal Bandwidth)

| | | Ove | rall sam | ple | Rur | al samp | le |
|-----------------------|--------------------------------|--------------------------------|--------------|--------------|--------------------------------|-------------|-------------|
| | | (1) OLS | (2) RF | (3) IV | (4) OLS | (5) RF | (6) IV |
| Panel A: RD Treatn | nent Effects | | | | | | |
| Employed | Schooling | 0.018*** | 0.002 | 0.009 | 0.012*** | -0.010 | -0.010 |
| | | $(0.003)\dagger\dagger\dagger$ | (0.031) | (0.141) | $(0.004)\dagger\dagger\dagger$ | (0.036) | (0.038) |
| | Mean | 0.19 | 0.19 | 0.19 | 0.18 | 0.18 | 0.18 |
| | Bandwidth | 96 | 96 | 96 | 93 | 93 | 93 |
| | Observations | 1,960 | 1,960 | 1,960 | 1,184 | 1,184 | 1,184 |
| Employed in services | Schooling | 0.023*** | -0.015 | -0.063 | 0.020*** | -0.024 | -0.023 |
| 1 0 | | $(0.003)\dagger\dagger\dagger$ | (0.028) | (0.161) | $(0.004)\dagger\dagger\dagger$ | (0.030) | (0.032) |
| | Mean | 0.14 | 0.14 | 0.14 | 0.11 | 0.11 | 0.11 |
| | Bandwidth | 94 | 94 | 94 | 88 | 88 | 88 |
| | Observations | 1,940 | 1,940 | 1,940 | 1,141 | 1,141 | 1,141 |
| Social security | Schooling | 0.023*** | 0.008 | 0.018 | 0.020*** | -0.011 | -0.010 |
| Social Sociality | Schooling | $(0.003)\dagger\dagger\dagger$ | (0.024) | (0.052) | $(0.004)\dagger\dagger\dagger$ | (0.027) | (0.026) |
| | Mean | 0.11 | 0.11 | 0.11 | 0.10 | 0.10 | 0.10 |
| | Bandwidth | 81 | 81 | 81 | 97 | 97 | 97 |
| | Observations | 1,723 | 1,723 | 1,723 | 1,232 | 1,232 | 1,232 |
| Personal income index | Schooling | 0.023*** | -0.050 | -0.198 | 0.016*** | -0.061 | -0.061 |
| i ersonar meome muex | Schooling | (0.003)††† | (0.038) | (0.308) | (0.005)††† | (0.054) | (0.065) |
| | Mean | -0.05 | -0.05 | -0.05 | -0.10 | -0.10 | -0.10 |
| | Bandwidth | -0.05 143 | -0.03 143 | -0.05 143 | -0.10 89 | -0.10 89 | -0.10 89 |
| | | | | | | | |
| A . 1 1 | Observations | 2,633 0.029*** | 2,633 | 2,633 | 1,145 | 1,145 | 1,145 |
| Asset ownership index | Schooling | | -0.004 | -0.009 | 0.030*** | 0.028 | 0.024 |
| | 3.6 | (0.002) | (0.021) | (0.053) | (0.002) | (0.027) | (0.021) |
| | Mean | 0.03 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 |
| | Bandwidth | 84 | 84 | 84 | 87 | 87 | 87 |
| | Observations | 1,762 | 1,762 | 1,762 | 1,120 | 1,120 | 1,120 |
| Panel B: RD Treatm | nent Effects by Exposure to C | hildhood V | iolence | | | | |
| Employed | Schooling | 0.019*** | 0.024 | 0.478 | 0.014*** | 0.027 | 0.034 |
| | | $(0.004)\dagger\dagger\dagger$ | (0.032) | (3.048) | $(0.004)\dagger\dagger\dagger$ | (0.037) | (0.046) |
| | Schooling × Childhood violence | -0.001 | -0.037 | -0.400 | -0.003 | -0.061 | -0.044 |
| | - | (0.009) | (0.064) | (2.417) | (0.014) | (0.079) | (0.049) |
| | Childhood violence | $0.052^{'}$ | 0.053 | 3.102 | 0.087 | 0.088 | 0.378 |
| | | (0.067) | (0.042) | (18.546) | (0.100) | (0.055) | (0.360) |
| | Mean | 0.19 | 0.19 | 0.19 | 0.18 | 0.18 | 0.18 |
| | Bandwidth | 96 | 96 | 96 | 93 | 93 | 93 |
| | Observations | 1,891 | 1,891 | 1,891 | 1,139 | 1,139 | 1,139 |

Table A15: Effects of Education on Labor Market Outcomes, Cont'd

| | | O | verall samp | le | Ru | ral sampl | e |
|-----------------------|---------------------------------------|--------------------------------|--------------------------------|-----------|--------------------------------|-----------|-----------|
| | | (1) OLS | (2) RF | (3) IV | (4) OLS | (5) RF | (6) IV |
| Employed in services | Schooling | 0.024*** | 0.004 | 0.114 | 0.021*** | -0.001 | 0.001 |
| | | $(0.004)\dagger\dagger\dagger$ | (0.027) | (0.592) | $(0.004)\dagger\dagger\dagger$ | (0.031) | (0.032) |
| | Schooling \times Childhood violence | -0.003 | -0.070 | -0.146 | -0.006 | -0.059 | -0.029 |
| | | (0.008) | (0.052) | (0.479) | (0.014) | (0.058) | (0.037) |
| | Childhood violence | 0.045 | 0.040 | 1.117 | 0.063 | 0.046 | 0.224 |
| | | (0.055) | (0.038) | (3.682) | (0.093) | (0.046) | (0.279) |
| | Mean | 0.14 | 0.14 | 0.14 | 0.11 | 0.11 | 0.11 |
| | Bandwidth | 94 | 94 | 94 | 88 | 88 | 88 |
| | Observations | 1,871 | 1,871 | 1,871 | 1,097 | 1,097 | 1,097 |
| Social security | Schooling | 0.024*** | 0.017 | 0.113 | 0.021*** | -0.003 | -0.002 |
| | | $(0.003)\dagger\dagger\dagger$ | (0.026) | (0.235) | $(0.004)\dagger\dagger\dagger$ | (0.028) | (0.030) |
| | Schooling \times Childhood violence | -0.005 | -0.042 | -0.119 | -0.007 | -0.042 | -0.018 |
| | | (0.009) | (0.043) | (0.195) | (0.012) | (0.051) | (0.032) |
| | Childhood violence | 0.036 | 0.009 | 0.898 | 0.054 | 0.021 | 0.132 |
| | | (0.057) | (0.035) | (1.507) | (0.072) | (0.046) | (0.250) |
| | Mean | 0.11 | 0.11 | 0.11 | 0.10 | 0.10 | 0.10 |
| | Bandwidth | 81 | 81 | 81 | 97 | 97 | 97 |
| | Observations | 1,658 | 1,658 | 1,658 | 1,186 | 1,186 | 1,186 |
| Personal income index | Schooling | 0.023*** | -0.040 | -1.089 | 0.013*** | -0.052 | -0.053 |
| | | $(0.003)\dagger\dagger\dagger$ | (0.040) | (14.771) | $(0.005)\dagger\dagger\dagger$ | (0.058) | (0.074) |
| | Schooling × Childhood violence | 0.003 | -0.061 | 0.927 | 0.026 | -0.069 | -0.011 |
| | | (0.013) | (0.055) | (13.656) | (0.033) | (0.091) | (0.069) |
| | Childhood violence | -0.028 | 0.001 | -7.134 | -0.218 | -0.020 | 0.019 |
| | | (0.087) | (0.041) | (104.576) | (0.190) | (0.077) | (0.528) |
| | Mean | -0.05 | -0.05 | -0.05 | -0.10 | -0.10 | -0.10 |
| | Bandwidth | 143 | 143 | 143 | 89 | 89 | 89 |
| | Observations | 2,532 | 2,532 | 2,532 | 1,101 | 1,101 | 1,101 |
| Asset ownership index | Schooling | 0.030*** | -0.011 | -0.087 | 0.031*** | 0.019 | 0.017 |
| | | $(0.002)\dagger\dagger\dagger$ | (0.021) | (0.213) | $(0.002)\dagger\dagger\dagger$ | (0.028) | (0.024) |
| | Schooling \times Childhood violence | -0.012** | 0.054 | 0.109 | -0.006 | 0.046 | 0.015 |
| | | (0.006) | (0.038) | (0.174) | (0.008) | (0.046) | (0.026) |
| | Childhood violence | 0.036 | -0.074*** | -0.877 | -0.015 | -0.070** | -0.151 |
| | | (0.039) | $(0.023)\dagger\dagger\dagger$ | (1.332) | (0.054) | (0.030) | (0.184) |
| | Mean | 0.03 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 |
| | Bandwidth | 84 | 84 | 84 | 87 | 87 | 87 |
| | Observations | 1,697 | 1,697 | 1,697 | 1,076 | 1,076 | 1,076 |

Notes: Data are from the 2014 National Survey on Domestic Violence against Women in Turkey. The sample includes all women. The optimal bandwidth is estimated by using the Imbens and Kalyanaraman (2009) algorithm. Panel A reports the RD treatment effects of the reform, and Panel B reports them by exposure to childhood violence, i.e., whether the respondent experienced violence from her own family members during her childhood. Columns 1 reports OLS results using years of schooling as the independent variable. Columns 2 – 3 report reduced-form RD treatment effects and two-stage least-squares RD treatment effects (by using treatment as an instrument for years of schooling) of being born after January 1987 with a linear control function in the month-year of birth on each side of the discontinuity. Columns 1 – 3 report these results for the overall sample, and columns 4 – 6 report results from same specifications for the subsample of respondents whose childhood region of residence was rural. The variables are described in Appendix A. All specifications control for a dummy variable for whether the respondent's mother tongue is not Turkish, month-of-birth fixed effects, and region fixed effects. The first three columns also control for whether the respondent grew up in a rural location, and interactions of region fixed effects with an indicator of rural regions. Standard errors are clustered at the month-year cohort level. ***, ***, and * denote significance at the 1, 5, and 10 percent levels, respectively (based on p-values unadjusted for multiple-hypothesis testing). †††, ††, and † denote significance at the 1, 5, and 10 percent levels, respectively (based on p-values adjusted for multiple-hypothesis testing using Simes adjustment).

Table A16: Effects of Education on Partner Characteristics and Marriage Market Outcomes (Optimal Bandwidth)

| | | Ov | erall samp | le | Rı | ıral sample | 9 |
|------------------------------|---------------------------------------|--------------------------------|-------------------------|------------------|--------------------------------|----------------------------------|-------------------|
| | | (1) OLS | (2) RF | (3) IV | (4) OLS | (5) RF | (6) IV |
| Panel A: RD Treatment | Effects | | | | | | |
| Partner's years of schooling | Schooling | 0.517*** (0.027)††† | 0.571* (0.338) | 1.613 (1.572) | 0.496*** (0.031)††† | 0.994** (0.446)† | 0.966* (0.508) |
| | Mean Bandwidth | 8.80 87 | 8.80 87 | 8.80 87 | 8.47 79 | 8.47 79 | 8.47 79 |
| | Observations | 1,816 | 1.816 | 1,816 | 1.020 | 1,020 | 1,020 |
| Partner's age | Schooling | 0.288*** | 0.227 | 0.737 | 0.287*** | 0.211 | 0.213 |
| Tarther 5 age | Schooling | $(0.035)\dagger\dagger\dagger$ | (0.400) | (1.423) | (0.039)††† | (0.530) | (0.518) |
| | Mean | 24.89 | 24.89 | 24.89 | 24.71 | 24.71 | 24.71 |
| | Bandwidth | 106 | 106 | 106 | 111 | 111 | 111 |
| | Observations | 2,136 | 2,136 | 2,136 | 1,374 | 1,374 | 1,374 |
| Partner's religiosity index | Schooling | 0.006 | 0.005 | 0.010 | -0.004 | 0.007 | 0.006 |
| 3 2 | 0 | (0.006) | (0.078) | (0.169) | (0.005) | (0.065) | (0.061) |
| | Mean | 0.01 | 0.01 | 0.01 | 0.06 | 0.06 | 0.06 |
| | Bandwidth | 84 | 84 | 84 | 82 | 82 | 82 |
| | Observations | 1,784 | 1,784 | 1,784 | 1,066 | 1,066 | 1,066 |
| Marriage age | Schooling | 0.307*** | 0.048 | 0.271 | 0.270*** | -0.245 | -0.866 |
| | | $(0.032)\dagger\dagger\dagger$ | (0.405) | (2.058) | $(0.038)\dagger\dagger\dagger$ | (0.532) | (3.044) |
| | Mean | 20.94 | 20.94 | 20.94 | 20.74 | 20.74 | 20.74 |
| | Bandwidth | 37 | 37 | 37 | 40 | 40 | 40 |
| | Observations | 849 | 849 | 849 | 557 | 557 | 557 |
| Marriage decision | Schooling | 0.041*** | 0.150*** | 0.299 | 0.043*** | 0.190*** | 0.167** |
| | | $(0.004)\dagger\dagger\dagger$ | $(0.050)\dagger\dagger$ | (0.228) | $(0.004)\dagger\dagger\dagger$ | $(0.055)\dagger \dagger \dagger$ | (0.082) |
| | Mean | 0.58 | 0.58 | 0.58 | 0.53 | 0.53 | 0.53 |
| | Bandwidth | 66 | 66 | 66 | 87 | 87 | 87 |
| | Observations | 1,427 | 1,427 | $1,\!427$ | 1,120 | 1,120 | 1,120 |
| Divorced | Schooling | -0.001 | -0.018 | -0.031 | -0.001 | 0.006 | 0.006 |
| | | (0.002) | (0.021) | (0.039) | (0.002) | (0.023) | (0.020) |
| | Mean | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 |
| | Bandwidth | 71 | 71 | 71 | 122 | 122 | 122 |
| | Observations | 1,496 | 1,496 | 1,496 | 1,467 | 1,467 | 1,467 |
| Panel B: RD Treatment | Effects by Exposure to Childle | ood Violer | ice | | | | |
| Partner's years of schooling | Schooling | 0.515*** | 0.494 | 2.371 | 0.502*** | 1.043** | 1.149* |
| | | $(0.028)\dagger\dagger\dagger$ | (0.351) | (5.235) | $(0.034)\dagger\dagger\dagger$ | $(0.440)\dagger$ | (0.669) |
| | Schooling \times Childhood violence | -0.046 | 1.081** | -1.095 | -0.150 | 0.647 | -0.301 |
| | | (0.066) | (0.537) | (4.608) | (0.095) | (0.726) | (0.566) |
| | Childhood violence | -0.034 | -0.885*** | 8.326 | 0.632 | -0.730* | 1.901 |
| | | (0.542) | $(0.322)\dagger\dagger$ | (35.514) | (0.765) | (0.420) | (4.052) |
| | Mean | 8.80 | 8.80 | 8.80 | 8.47 | 8.47 | 8.47 |
| | Bandwidth | 87 | 87 | 87 | 79 | 79 | 79 |
| | Observations | 1,748 | 1,748 | 1,748 | 979 | 979 | 979 |

Table A16: Effects of Education on Partner Characteristics and Marriage Market Outcomes, Cont'd

| | | Ov | erall samp | le | R | ural samp | le |
|-----------------------------|--------------------------------|--------------------------------|-------------------------|-----------|--------------------------------|-------------------------|-----------|
| | | (1) OLS | (2) RF | (3) IV | (4) OLS | (5) RF | (6) IV |
| Partner's age | Schooling | 0.302*** | 0.138 | 0.250 | 0.272*** | 0.281 | 0.287 |
| | | $(0.034)\dagger\dagger\dagger$ | (0.398) | (3.792) | $(0.043)\dagger\dagger\dagger$ | (0.549) | (0.611) |
| | Schooling × Childhood violence | -0.172 | 0.965 | 0.664 | 0.122 | 0.481 | 0.134 |
| | | (0.136) | (0.869) | (3.705) | (0.132) | (0.889) | (0.585) |
| | Childhood violence | 1.985* | 0.419 | -4.102 | -0.174 | 0.579 | -0.152 |
| | | (1.099) | (0.380) | (28.070) | (0.851) | (0.550) | (4.186) |
| | Mean | 24.89 | 24.89 | 24.89 | 24.71 | 24.71 | 24.71 |
| | Bandwidth | 106 | 106 | 106 | 111 | 111 | 111 |
| | Observations | 2,059 | 2,059 | 2,059 | 1,323 | 1,323 | 1,323 |
| Partner's religiosity index | Schooling | 0.004 | 0.001 | 0.023 | -0.001 | -0.019 | -0.037 |
| | | (0.005) | (0.068) | (0.292) | (0.004) | (0.069) | (0.078) |
| | Schooling × Childhood violence | 0.023 | -0.028 | -0.043 | -0.017 | 0.217 | 0.129 |
| | | (0.032) | (0.169) | (0.303) | (0.032) | (0.160) | (0.110) |
| | Childhood violence | -0.457* | -0.282*** | 0.033 | -0.084 | -0.279** | -1.112 |
| | | (0.265) | $(0.106)\dagger\dagger$ | (2.323) | (0.242) | (0.124) | (0.824) |
| | Mean | 0.01 | 0.01 | 0.01 | 0.06 | 0.06 | 0.06 |
| | Bandwidth | 84 | 84 | 84 | 82 | 82 | 82 |
| | Observations | 1,718 | 1,718 | 1,718 | 1,022 | 1,022 | 1,022 |
| Marriage age | Schooling | 0.325*** | 0.006 | -0.253 | 0.286*** | -0.308 | -7.786 |
| | | $(0.030)\dagger\dagger\dagger$ | (0.445) | (8.375) | $(0.036)\dagger\dagger\dagger$ | (0.556) | (152.057) |
| | Schooling × Childhood violence | -0.254** | -0.130 | 0.055 | -0.236* | -0.213 | 3.345 |
| | | $(0.110)\dagger$ | (0.660) | (4.236) | (0.127) | (0.669) | (68.125) |
| | Childhood violence | 1.547** | -0.265 | -0.814 | 1.766** | 0.062 | -25.265 |
| | | (0.714) | (0.376) | (32.998) | $(0.779)\dagger$ | (0.345) | (512.013) |
| | Mean | 20.94 | 20.94 | 20.94 | 20.74 | 20.74 | 20.74 |
| | Bandwidth | 37 | 37 | 37 | 40 | 40 | 40 |
| | Observations | 820 | 820 | 820 | 539 | 539 | 539 |
| Marriage decision | Schooling | 0.035*** | 0.131** | 0.346 | 0.038*** | 0.162*** | 0.146* |
| | | $(0.004)\dagger\dagger$ | $(0.051)\dagger$ | (0.560) | $(0.005)\dagger\dagger\dagger$ | $(0.057)\dagger\dagger$ | (0.086) |
| | Schooling × Childhood violence | 0.040*** | 0.100 | -0.108 | 0.041*** | 0.265*** | 0.064 |
| | | (0.010)††† | (0.081) | (0.430) | $(0.011)\dagger\dagger$ | $(0.085)\dagger\dagger$ | (0.072) |
| | Childhood violence | -0.352*** | -0.094* | 0.795 | -0.292*** | -0.103* | -0.409 |
| | | $(0.080)\dagger\dagger\dagger$ | (0.050) | (3.302) | $(0.092)\dagger\dagger$ | (0.060) | (0.518) |
| | Mean | 0.58 | 0.58 | 0.58 | 0.53 | 0.53 | 0.53 |
| | Bandwidth | 66 | 66 | 66 | 87 | 87 | 87 |
| . | Observations | 1,378 | 1,378 | 1,378 | 1,076 | 1,076 | 1,076 |
| Divorced | Schooling | -0.001 | -0.015 | -0.037 | -0.001 | 0.012 | 0.013 |
| | | (0.002) | (0.023) | (0.101) | (0.002) | (0.025) | (0.026) |
| | Schooling × Childhood violence | -0.003 | -0.006 | 0.018 | -0.001 | -0.025 | -0.019 |
| | C1:111 1 : 1 | (0.009) | (0.046) | (0.106) | (0.006) | (0.040) | (0.027) |
| | Childhood violence | 0.069 | 0.046 | -0.095 | 0.031 | 0.030 | 0.156 |
| | 3.6 | (0.069) | (0.035) | (0.817) | (0.050) | (0.032) | (0.203) |
| | Mean | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 |
| | Bandwidth | 71 | 71 | 71 | 122 | 122 | 122 |
| | Observations | 1,444 | 1,444 | 1,444 | 1,414 | 1,414 | 1,414 |

Notes: Data are from the 2014 National Survey on Domestic Violence against Women in Turkey. The sample includes all women. The optimal bandwidth is estimated by using the Imbens and Kalyanaraman (2009) algorithm. Panel A reports the RD treatment effects of the reform, and Panel B reports them by exposure to childhood violence, i.e., whether the respondent experienced violence from her own family members during her childhood. Columns 1 reports OLS results using years of schooling as the independent variable. Columns 2-3 report reduced-form RD treatment effects and two-stage least-squares RD treatment effects (by using treatment as an instrument for years of schooling) of being born after January 1987 with a linear control function in the month-year of birth on each side of the discontinuity. Columns 1-3 report these results for the overall sample, and columns 4-6 report results from same specifications for the subsample of respondents whose childhood region of residence was rural. The variables are described in Appendix A. All specifications control for a dummy variable for whether the respondent's mother tongue is not Turkish, month-of-birth fixed effects, and region fixed effects. The first three columns also control for whether the respondent grew up in a rural location, and interactions of region fixed effects with an indicator of rural regions. Standard errors are clustered at the month-year cohort level. ***, **, and * denote significance at the 1, 5, and 10 percent levels, respectively (based on p-values adjusted for multiple-hypothesis testing). †††, ††, and † denote significance at the 1, 5, and 10 percent levels, respectively (based on p-values adjusted for multiple-hypothesis testing using Simes adjustment).

TABLE A17: EFFECTS OF EDUCATION ON SPOUSAL VIOLENCE (OPTIMAL BANDWIDTH)

| | | Ov | erall samp | le | Rı | ıral sample | ; |
|------------------------------|---------------------------------|--------------------------------|-------------|-----------------|--------------------------------|----------------|-----------|
| | | (1) OLS | (2) RF | (3) IV | (4) OLS | (5) RF | (6) IV |
| Panel A: RD Treatment | Effects | | | | | | |
| Physical violence index | Schooling | -0.026*** | -0.163** | -0.382 | -0.026*** | -0.119 | -0.121 |
| | | $(0.006)\dagger\dagger\dagger$ | (0.081) | (0.365) | $(0.007)\dagger\dagger\dagger$ | (0.089) | (0.101) |
| | Mean | 0.00 | 0.00 | 0.00 | 0.01 | 0.01 | 0.01 |
| | Bandwidth | 83 | 83 | 83 | 108 | 108 | 108 |
| | Observations | 1,747 | 1,747 | 1,747 | 1,362 | 1,362 | 1,362 |
| Psychological violence index | Schooling | -0.022*** | -0.014 | -0.049 | -0.027*** | -0.045 | -0.039 |
| v | Ü | $(0.004)\dagger\dagger\dagger$ | (0.058) | (0.209) | $(0.006)\dagger\dagger\dagger$ | (0.082) | (0.070) |
| | Mean | 0.04 | 0.04 | 0.04 | 0.06 | 0.06 | 0.06 |
| | Bandwidth | 115 | 115 | 115 | 79 | 79 | 79 |
| | Observations | 2,260 | 2,260 | 2,260 | 1.020 | 1.020 | 1.020 |
| Financial control index | Schooling | -0.015*** | 0.031 | 0.069 | -0.016** | 0.062 | 0.051 |
| i maiciai control macx | Schooling | $(0.005)\dagger\dagger\dagger$ | (0.074) | (0.172) | (0.007)†† | (0.103) | (0.087) |
| | Mean | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 |
| | Bandwidth | | | | | | |
| | | 83 | 83 | 83 | 74 | 74 | 74 |
| | Observations | 1,740 | 1,740 | 1,740 | 963 | 963 | 963 |
| Panel B: RD Treatment I | Effects by Exposure to Childhe | ood Violen | ce | | | | |
| Physical violence index | Schooling | -0.016*** | -0.112 | -0.371 | -0.021*** | -0.040 | -0.031 |
| v | Ü | $(0.006)\dagger\dagger$ | (0.079) | (0.813) | $(0.007)\dagger\dagger\dagger$ | (0.089) | (0.104) |
| | Schooling × Childhood violence | -0.061*** | -0.124 | 0.127 | -0.044* | -0.303 | -0.141 |
| | geneening // Omnumeed / Herenee | (0.022)†† | (0.187) | (0.704) | (0.026) | (0.197) | (0.129) |
| | Childhood violence | 1.005*** | 0.600*** | -0.462 | 0.754*** | 0.547*** | 1.419 |
| | Chridhood violence | (0.195)††† | (0.115)††† | (5.387) | (0.233)††† | (0.130)††† | (0.919) |
| | Mean | , , , , , , | , , , , , , | ` / | , , , , , , | , , , , , , | () |
| | | 0.00 | 0.00 | 0.00 | 0.01 | 0.01 | 0.01 |
| | Bandwidth | 83 | 83 | 83 | 108 | 108 | 108 |
| | Observations | 1,682 | 1,682 | 1,682 | 1,311 | 1,311 | 1,311 |
| Psychological violence index | Schooling | -0.021*** | 0.024 | 0.271 | -0.025*** | 0.036 | 0.041 |
| , 0 | Ü | $(0.004)\dagger\dagger\dagger$ | (0.057) | (1.600) | $(0.005)\dagger\dagger\dagger$ | (0.084) | (0.090) |
| | Schooling × Childhood violence | 0.006 | 0.027 | -0.215 | 0.004 | -0.097 | -0.071 |
| | S S - : : | (0.016) | (0.112) | (1.494) | (0.027) | (0.133) | (0.090) |
| | Childhood violence | 0.298*** | 0.338*** | 1.987 | 0.252 | 0.315*** | 0.785 |
| | Childhood violence | (0.114)††† | (0.051)††† | (11.353) | (0.189) | (0.076)††† | (0.648) |
| | Mean | / / / / / | / / / / / | 0.04 | , | / / / / / | 0.048) |
| | | 0.04 | 0.04 | | 0.06 | 0.06 | |
| | Bandwidth | 115 | 115 | 115 | 79 | 79 | 79 |
| | Observations | 2,177 | 2,177 | 2,177 | 980 | 980 | 980 |
| Financial control index | Schooling | -0.008 | 0.064 | 0.335 | -0.009 | 0.141 | 0.147 |
| | . 0 | (0.005) | (0.070) | (0.606) | (0.007) | (0.108) | (0.132) |
| | Schooling × Childhood violence | -0.041 | -0.082 | -0.303 | -0.076** | -0.191 | -0.177 |
| | zenzoning // chinanood violence | (0.026) | (0.162) | (0.507) | (0.032)† | (0.174) | (0.131) |
| | Childhood violence | 0.546** | 0.102) | (0.567) 2.569 | 0.661** | 0.174) 0.220 | 1.426 |
| | Ciniquoda violence | | | | | | |
| | 3.6 | (0.228)†† | (0.091)††† | (3.884) | (0.298)†† | (0.141) | (0.981) |
| | Mean | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 |
| | Bandwidth | 83 | 83 | 83 | 74 | 74 | 74 |
| | Observations | 1,675 | 1,675 | 1,675 | 926 | 926 | 926 |

Notes: Data are from the 2014 National Survey on Domestic Violence against Women in Turkey. The sample includes all women. The optimal bandwidth is estimated by using the Imbens and Kalyanaraman (2009) algorithm. Panel A reports the RD treatment effects of the reform, and Panel B reports them by exposure to childhood violence, i.e., whether the respondent experienced violence from her own family members during her childhood. Columns 1 reports OLS results using years of schooling as the independent variable. Columns 2 – 3 report reduced-form RD treatment effects and two-stage least-squares RD treatment effects (by using treatment as an instrument for years of schooling) of being born after January 1987 with a linear control function in the month-year of birth on each side of the discontinuity. Columns 1 – 3 report these results for the overall sample, and columns 4 – 6 report results from same specifications for the subsample of respondents whose childhood region of residence was rural. The variables are described in Appendix A. All specifications control for a dummy variable for whether the respondent's mother tongue is not Turkish, month-of-birth fixed effects, and region fixed effects. The first three columns also control for whether the respondent grew up in a rural location, and interactions of region fixed effects with an indicator of rural regions. Standard errors are clustered at the month-year cohort level. ***, **, and * denote significance at the 1, 5, and 10 percent levels, respectively (based on p-values adjusted for multiple-hypothesis testing). †††, ††, and † denote significance at the 1, 5, and 10 percent levels, respectively (based on p-values adjusted for multiple-hypothesis testing using Simes adjustment).

D Multiple Hypothesis Testing

Table A18: Effects of the Reform on Childhood Violence

| | | Ove | erall san | ıple | Rı | ıral sam | ple | \mathbf{Ur} | ban sam | ple |
|------------------------------|-----------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|-----------------------------|-----------------------------|
| | | (1) OLS | (2) RF | (3) IV | (4) OLS | (5) RF | (6) IV | (7) OLS | (8) RF | (9) IV |
| Childhood violence | Schooling | -0.002 (0.373) [0.373] | -0.023 (0.314) [0.431] | -0.026 (0.255) [0.353] | -0.001 (0.647) [0.647] | -0.056 (0.059) [0.137] | -0.047 (0.118) [0.118] | -0.002 (0.314) [0.314] | 0.020 (0.706) [0.843] | 0.034 (0.549) [0.804] |
| | Mean Bandwidth Observations | 0.14 85 2,274 | 0.14 85 2,274 | 0.14 85 2,274 | 0.14 85 1,322 | 0.14 85 1,322 | 0.14 85 1,322 | 0.15 85 952 | 0.15 85 952 | 0.15 85 952 |
| Childhood violence intensity | Schooling | -0.003 (0.000) [0.000] | -0.011 (0.412) [0.431] | -0.013 (0.530) [0.530] | -0.004 (0.020) [0.020] | -0.021 (0.314) [0.314] | -0.017 (0.294) [0.294] | -0.003 (0.098) [0.118] | 0.006 (0.902) [0.902] | 0.010 (0.882) [0.882] |
| | Mean Bandwidth Observations | 0.08 85 2,268 | 0.08 85 2,268 | 0.08 85 2,268 | 0.09 85 1,319 | 0.09 85 1,319 | 0.09 85 1,319 | 0.08 85 949 | 0.08 85 949 | 0.08 85 949 |

Notes: Data are from the 2014 National Survey on Domestic Violence against Women in Turkey. Please see Table A2 for table notes. Bootstrapped p-values unadjusted for multiple hypothesis testing are reported in parentheses. P-values adjusted for multiple-hypothesis testing using Romano and Wolf (2016) step-down procedure are reported in square brackets.

Table A19: RD Treatment Effects on Schooling Outcomes

| | (1) | (2) | (3) | (4) | (5) | (6) |
|----------------------|------------------------------|----------------------------------|---------------------------------|-----------|-------|------|
| | Linear RD | Linear RD | Linear RD | | | |
| Outcome | $\hat{\mathbf{h}}$ bandwidth | $0.75\hat{\mathbf{h}}$ bandwidth | $1.5\hat{\mathbf{h}}$ bandwidth | Bandwidth | N | Mean |
| Years of schooling | 0.825 | 0.674 | 0.981 | 85 | 2,386 | 8.48 |
| | (0.000) | (0.000) | (0.000) | | | |
| | [0.000] | [0.059] | [0.000] | | | |
| Completed education: | | | | | | |
| Junior high school | 0.201 | 0.172 | 0.186 | 85 | 2,386 | 0.59 |
| | (0.000) | (0.000) | (0.000) | | | |
| | [0.000] | [0.000] | [0.000] | | | |
| High school | 0.092 | 0.116 | 0.160 | 85 | 2,386 | 0.40 |
| | (0.020) | (0.000) | (0.000) | | | |
| | [0.020] | [0.000] | [0.000] | | | |
| Primary school | -0.018 | -0.032 | -0.017 | 85 | 2,386 | 0.91 |
| | (0.333) | (0.216) | (0.412) | | | |
| | (0.333) | [0.216] | [0.412] | | | |

Table A20: Effects of Education on Violence Against Children

| | | Ove | erall san | ıple | Rı | ıral sam | ple |
|----------------------|---------------------------------------|--|--|--|--|--|--|
| | | (1) OLS | (2) RF | (3) IV | (4) OLS | (5) RF | (6) IV |
| Panel A: RD Treat | ment Effects | | | | | | |
| Child abuse | Schooling | -0.020 (0.000) [0.000] | 0.007 (0.882) [0.882] | 0.017 (0.824) [0.824] | -0.026 (0.000) [0.000] | 0.030 (0.588) [0.588] | 0.027 (0.588) [0.588] |
| | Mean | 0.48 | 0.48 | 0.48 | 0.51 | 0.51 | 0.51 |
| | Bandwidth | 85 | 85 | 85 | 85 | 85 | 85 |
| | Observations | 1,776 | 1,776 | 1,776 | 1,095 | 1,095 | 1,095 |
| Frequent child abuse | Schooling | -0.020 (0.000) [0.000] | 0.040 (0.294) [0.353] | 0.096 (0.235) [0.294] | -0.021 (0.000) [0.000] | 0.049 (0.451) [0.549] | 0.043 (0.431) [0.471] |
| | Mean | 0.41 | [0.333] 0.41 | 0.294] 0.41 | 0.44 | 0.449 | 0.471 0.44 |
| | Bandwidth | 85 | 85 | 85 | 85 | 85 | 85 |
| | Observations | 1,776 | 1,776 | 1,776 | 1,095 | 1,095 | 1,095 |
| Panel B: RD Treat | ment Effects by Exposure to | Childhoo | od Viole | nce | | | |
| Child abuse | Schooling | -0.018 | 0.039 | 0.247 | -0.025 | 0.093 | 0.099 |
| | Schooling \times Childhood violence | (0.000) $[0.000]$ 0.003 | (0.314) [0.314] -0.081 | (0.667) [0.706] -0.257 | (0.000) [0.000] 0.002 | (0.157) $[0.157]$ -0.229 | (0.373) [0.392] -0.154 |
| | Schooling × Childhood violence | (0.628) $[0.628]$ | (0.275) $[0.275]$ | (0.549) $[0.686]$ | (0.843) $[0.961]$ | (0.000) $[0.000]$ | (0.039) $[0.039]$ |
| | Childhood violence | 0.186 (0.000) [0.000] | 0.243 (0.000) [0.000] | 2.180 (0.510) [0.667] | 0.233 (0.000) [0.020] | 0.341 (0.000) [0.000] | 1.347 (0.000) [0.000] |
| | Mean | 0.48 | 0.48 | 0.48 | 0.51 | 0.51 | 0.51 |
| | Bandwidth | 85 | 85 | 85 | 85 | 85 | 85 |
| | Observations | 1,711 | 1,711 | 1,711 | 1,051 | 1,051 | 1,051 |
| Frequent child abuse | Schooling | -0.018 (0.000) [0.000] | 0.072 (0.020) [0.039] | 0.421 (0.706) [0.706] | -0.020 (0.000) [0.000] | 0.114 (0.078) [0.118] | 0.121 (0.353) [0.392] |
| | Schooling \times Childhood violence | -0.007 (0.451) | -0.104 (0.157) | -0.407 (0.667) | -0.001 (0.922) | -0.292 (0.000) | -0.194 (0.020) |
| | Childhood violence | [0.588] 0.249 (0.000) [0.000] | [0.196] 0.241 (0.000) [0.000] | [0.686] 3.322 (0.647) [0.667] | [0.961] 0.263 (0.020) [0.020] | [0.000] 0.363 (0.000) [0.000] | [0.020] 1.629 (0.000) [0.000] |
| | Mean | 0.41 | 0.41 | 0.41 | 0.44 | 0.44 | 0.44 |
| | Bandwidth | 85 | 85 | 85 | 85 | 85 | 85 |
| | Observations | 1,711 | 1,711 | 1,711 | 1,051 | 1,051 | 1,051 |

Table A21: Effects of Education on Child Behavior

| | | Ov | erall san | iple | Rı | ıral sam | ple |
|-------------------------------|---------------------------------------|-------------------|-------------------|-------------------|----------------------------|-------------------|-------------------|
| | | (1) OLS | (2) RF | (3) IV | (4) OLS | (5) RF | (6) IV |
| Child is aggressive | Schooling | -0.005 | 0.035 | 0.080 | 0.001 | 0.123 | 0.156 |
| | | (0.235) | (0.510) | (0.412) | (.843) | (0.196) | (0.882) |
| | | [0.235] | [0.824] | [0.549] | [0.843] | [0.451] | [0.902] |
| | Schooling × Childhood violence | -0.011 | -0.202 | -0.154 | -0.049 | -0.499 | -0.248 |
| | | (0.353) | (0.020) | (0.059) | (0.020) | (0.000) | (0.863) |
| | | [0.765] | [0.196] | [0.392] | [0.020] | [0.000] | [0.902] |
| | Childhood violence | 0.161 | 0.111 | 1.112 | 0.390 | 0.164 | 1.578 |
| | | (0.118) | (0.000) | (0.039) | (0.039) | (0.020) | (0.843) |
| | M | [0.294] | [0.020] | [0.373] | [0.039] | [0.039] | [0.863] |
| | Mean | 0.26 | 0.26 | 0.26 | 0.27 | 0.27 | 0.27 |
| | Bandwidth | 85 | 85 | 85 | 85 | 85 | 85 |
| Child b f | Observations | 1,075 | 1,075 | 1,075 | 684 | 684 | 684 |
| Child has frequent nightmares | Schooling | -0.014 | 0.051 | 0.105 | -0.013 | (0.204) | 0.085 |
| | | (0.000) $[0.000]$ | (0.275) $[0.686]$ | (0.275) $[0.550]$ | (0.000) $[0.020]$ | (0.294) $[0.529]$ | (0.216) $[0.902]$ |
| | Schooling × Childhood violence | -0.005 | -0.244 | -0.195 | 0.020 0.012 | -0.276 | -0.136 |
| | Schooling × Childhood violence | (0.608) | (0.000) | (0.196) | (0.569) | (0.020) | (0.059) |
| | | [0.902] | [0.059] | [0.392] | [0.902] | [0.118] | [0.902] |
| | Childhood violence | 0.105 | 0.099 | 1.374 | 0.902 _] 0.057 | 0.166 | 0.939 |
| | Childhood violence | (0.216) | (0.039) | (0.196) | (0.726) | (0.020) | (0.020) |
| | | [0.588] | [0.039] | [0.373] | [0.863] | [0.039] | [0.882] |
| | Mean | 0.23 | 0.23 | 0.23 | 0.24 | 0.24 | 0.24 |
| | Bandwidth | 85 | 85 | 85 | 85 | 85 | 85 |
| | Observations | 1,067 | 1,067 | 1,067 | 677 | 677 | 677 |
| Child wets his/her bed | Schooling | -0.008 | -0.023 | -0.018 | -0.007 | 0.003 | 0.007 |
| , | 0 | (0.059) | (0.765) | (0.843) | (0.255) | (0.863) | (0.902) |
| | | [0.137] | [0.824] | [0.843] | [0.530] | [0.863] | [0.902] |
| | Schooling × Childhood violence | 0.005 | -0.085 | -0.016 | -0.023 | -0.103 | -0.031 |
| | <u> </u> | (0.706) | (0.490) | (0.863) | (0.235) | (0.569) | (0.902) |
| | | [0.902] | [0.628] | [0.863] | [0.686] | [0.804] | [0.902] |
| | Childhood violence | 0.071 | 0.108 | 0.205 | 0.168 | 0.037 | 0.205 |
| | | (0.451) | (0.000) | (0.647) | (0.235) | (0.530) | (0.902) |
| | | [0.667] | [0.039] | [0.667] | [0.588] | [0.530] | [0.902] |
| | Mean | 0.30 | 0.30 | 0.30 | 0.31 | 0.31 | 0.31 |
| | Bandwidth | 85 | 85 | 85 | 85 | 85 | 85 |
| | Observations | 1,075 | 1,075 | 1,075 | 684 | 684 | 684 |
| Child is shy or introvert | Schooling | -0.017 | 0.130 | 0.219 | -0.017 | 0.153 | 0.177 |
| | | (0.000) | (0.059) | (0.353) | (0.000) | (0.020) | (0.902) |
| | | [0.000] | [0.196] | [0.471] | [0.000] | [0.216] | [0.902] |
| | Schooling \times Childhood violence | 0.012 | -0.250 | -0.305 | -0.006 | -0.065 | -0.160 |
| | | (0.333) | (0.020) | (0.353) | (0.902) | (0.667) | (0.902) |
| | C1:111 1 : 1 | [0.765] | [0.196] | [0.392] | [0.902] | [0.804] | [0.902] |
| | Childhood violence | 0.040 | 0.157 | 2.160 | 0.096 | 0.077 | 1.037 |
| | | (0.686) | (000.0) | (0.314) | (0.490) | (0.235) | (0.882) |
| | M | [0.686] | [0.000] | [0.373] | [0.863] | [0.451] | [0.882] |
| | Mean | 0.48 | 0.48 | 0.48 | 0.49 | 0.49 | 0.49 |
| | Bandwidth Observations | 85 1.074 | 85 1.074 | 85 1.074 | 85 682 | 85 682 | 85 682 |
| Child cries ill-temperedly | Schooling Schooling | -0.009 | 1,074 0.035 | 1,074 0.043 | 683 -0.005 | $683 \\ 0.053$ | $683 \\ 0.067$ |
| Omid cries in-temperedry | Schooling | (0.059) | (0.608) | (0.431) | (0.373) | (0.451) | (0.804) |
| | | [0.137] | [0.824] | [0.431) | [0.588] | [0.481] | [0.902] |
| | Schooling × Childhood violence | 0.006 | 0.024 | -0.030 | 0.011 | -0.174 | -0.097 |
| | Schooling A Childhood violence | (0.471) | (0.706) | (0.647) | (0.588) | (0.275) | (0.568) |
| | | [0.902] | [0.706] | [0.804] | [0.902] | [0.490] | [0.902] |
| | Childhood violence | 0.106 | 0.136 | 0.339 | 0.065 | 0.141 | 0.697 |
| | Cameriood violence | (0.098) | (0.000) | (0.431) | (0.549) | (0.000) | (0.431) |
| | | [0.510] | [0.000] | [0.467] | [0.863] | [0.098] | [0.882] |
| | Mean | 0.46 | 0.46 | 0.46 | 0.45 | 0.45 | 0.45 |
| | Bandwidth | 85 | 85 | 85 | 85 | 85 | 85 |
| | | - | 1,074 | 1,074 | 0.0 | ~~ | ~ |

Table A22: Effects of Education on Attitudes toward Violence

| | | Ove | erall san | ıple | Rı | ıral sam | ple |
|-----------------------------|---------------------------------------|------------|------------------|------------------|------------------|-------------------|-------------------|
| | | (1) OLS | (2) RF | (3) IV | (4) OLS | (5) RF | (6) IV |
| Men can beat their partners | Schooling | -0.024 | 0.051 | 0.161 | -0.023 | 0.060 | 0.056 |
| in certain situations. | | (000.0) | (0.157) | (0.490) | (000.0) | (0.137) | (0.157) |
| | Schooling × Childhood violence | [0.000] | [0.392] -0.080 | [0.686] -0.188 | [0.000] -0.012 | [0.314] -0.084 | [0.216] -0.067 |
| | Selfoomig // Omitanood Violence | (0.824) | (0.216) | (0.333) | (0.235) | (0.353) | (0.235) |
| | | [0.961] | [0.412] | [0.588] | [0.451] | [0.608] | [0.353] |
| | Childhood violence | 0.110 | 0.129 | 1.532 | 0.195 | 0.141 | 0.587 |
| | | (0.157) | (0.000) | (0.333) | (0.020) | (0.000) | (0.177) |
| | | [0.235] | [0.000] | [0.550] | [0.098] | [0.000] | [0.275] |
| | Mean | 0.38 | 0.38 | 0.38 | 0.41 | 0.41 | 0.41 |
| | Bandwidth | 85 | 85 | 85 | 85 | 85 | 85 |
| | Observations | 1,625 | 1,625 | 1,625 | 998 | 998 | 998 |
| It may be necessary to beat | Schooling | -0.018 | 0.045 | 0.175 | -0.024 | 0.054 | 0.051 |
| children for discipline. | | (0.000) | (0.314) | (0.647) | (0.000) | (0.275) | (0.196) |
| | | [0.000] | [0.392] | [0.686] | [0.000] | [0.314] | [0.216] |
| | Schooling \times Childhood violence | 0.001 | 0.027 | -0.110 | -0.005 | 0.011 | -0.017 |
| | | (0.941) | (0.628) | (0.647) | (0.647) | (0.824) | (0.588) |
| | | [0.961] | [0.628] | [0.647] | [0.647] | [0.824] | [0.588] |
| | Childhood violence | 0.042 | 0.048 | 0.918 | 0.105 | 0.084 | 0.219 |
| | | (0.510) | (0.118) | (0.647) | (0.333) | (0.137) | (0.451) |
| | | [0.510] | [0.118] | [0.647] | [0.333] | [0.137] | [0.451] |
| | Mean | 0.29 | 0.29 | 0.29 | 0.30 | 0.30 | 0.30 |
| | Bandwidth | 85 | 85 | 85 | 85 | 85 | 85 |
| | Observations | 1,712 | 1,712 | 1,712 | 1,052 | 1,052 | 1,052 |

Table A23: Effects of Education on Mental Health Outcomes

| | | Ove | erall san | nple | Rı | ıral sam | ple |
|-----------------------------|---------------------------------------|------------|-----------|-----------|------------|-----------|-----------|
| | | (1) OLS | (2) RF | (3) IV | (4) OLS | (5) RF | (6) IV |
| Overall depression index | Schooling | -0.023 | 0.015 | 0.165 | -0.021 | 0.033 | 0.043 |
| - | | (0.000) | (0.608) | (0.784) | (0.000) | (0.569) | (0.510) |
| | | [0.000] | [0.667] | [0.804] | [0.000] | [0.667] | [0.530] |
| | Schooling × Childhood violence | 0.006 | -0.140 | -0.254 | -0.007 | -0.285 | -0.159 |
| | | (0.412) | (0.098) | (0.726) | (0.608) | (0.000) | (0.020) |
| | | [0.471] | [0.118] | [0.765] | [0.765] | [0.000] | [0.039] |
| | Childhood violence | 0.282 | 0.375 | 2.242 | 0.323 | 0.379 | 1.382 |
| | | (0.020) | (0.000) | (0.726) | (0.000) | (0.000) | (0.000) |
| | | [0.020] | [0.000] | [0.745] | [0.000] | [0.000] | [0.000] |
| | Mean | 0.02 | 0.02 | 0.02 | 0.04 | 0.04 | 0.04 |
| | Bandwidth | 85 | 85 | 85 | 85 | 85 | 85 |
| | Observations | 1,718 | 1,718 | 1,718 | 1,056 | 1,056 | 1,056 |
| Somatic depression index | Schooling | -0.033 | 0.036 | 0.353 | -0.030 | 0.056 | 0.065 |
| | | (0.000) | (0.412) | (0.726) | (0.000) | (0.255) | (0.431) |
| | | [0.000] | [0.628] | [0.804] | [0.000] | [0.490] | [0.529] |
| | Schooling × Childhood violence | 0.021 | -0.275 | -0.521 | 0.006 | -0.292 | -0.172 |
| | | (0.059) | (0.000) | (0.628) | (0.745) | (0.039) | (0.059) |
| | | [0.118] | [0.000] | [0.745] | [0.765] | [0.039] | [0.098] |
| | Childhood violence | 0.127 | 0.380 | 4.216 | 0.142 | 0.303 | 1.400 |
| | | (0.098) | (0.000) | (0.628) | (0.235) | (0.000) | (0.039) |
| | | [0.098] | [0.000] | [0.745] | [0.235] | [0.000] | [0.039] |
| | Mean | 0.00 | 0.00 | 0.00 | 0.02 | 0.02 | 0.02 |
| | Bandwidth | 85 | 85 | 85 | 85 | 85 | 85 |
| | Observations | 1,718 | 1,718 | 1,718 | 1,056 | 1,056 | 1,056 |
| Nonsomatic depression index | Schooling | -0.021 | 0.010 | 0.119 | -0.019 | 0.027 | 0.038 |
| | | (0.000) | (0.686) | (0.804) | (0.000) | (0.745) | (0.549) |
| | | [0.000] | [0.686] | [0.804] | [0.000] | [0.745] | [0.549] |
| | Schooling \times Childhood violence | 0.002 | -0.106 | -0.188 | -0.011 | -0.284 | -0.155 |
| | | (0.863) | (0.196) | (0.765) | (0.392) | (0.000) | (0.039) |
| | | [0.863] | [0.196] | [0.765] | [0.608] | [0.020] | [0.098] |
| | Childhood violence | 0.321 | 0.374 | 1.752 | 0.368 | 0.398 | 1.379 |
| | | (0.000) | (0.000) | (0.765) | (0.000) | (0.000) | (0.000) |
| | | [0.000] | [0.000] | [0.765] | [0.000] | [0.000] | [0.020] |
| | Mean | 0.02 | 0.02 | 0.02 | 0.04 | 0.04 | 0.04 |
| | Bandwidth | 85 | 85 | 85 | 85 | 85 | 85 |
| | Observations | 1,718 | 1,718 | 1,718 | 1,056 | 1,056 | 1,056 |

Table A24: Effects of Education on Fertility Outcomes

| | | Ove | erall san | nple | Rı | ıral sam | ple |
|------------------------|---------------------------------------|------------|-----------|-----------|------------|-----------|-----------|
| | | (1) OLS | (2) RF | (3) IV | (4) OLS | (5) RF | (6) IV |
| Age at first pregnancy | Schooling | 0.418 | 0.364 | 0.443 | 0.359 | 0.855 | 0.770 |
| | _ | (0.000) | (0.177) | (0.451) | (0.000) | (0.000) | (0.000) |
| | | [0.000] | [0.177] | [0.451] | [0.000] | [0.000] | [0.000] |
| | Schooling \times Childhood violence | 0.029 | 0.911 | 0.606 | -0.019 | 1.107 | 0.177 |
| | | (0.608) | (0.020) | (0.510) | (0.804) | (0.020) | (0.490) |
| | | [0.608] | [0.020] | [0.843] | [0.804] | [0.039] | [0.726] |
| | Childhood violence | -0.496 | -0.519 | -4.789 | 0.086 | -0.179 | -0.900 |
| | | (0.235) | (0.098) | (0.510) | (0.765) | (0.686) | (0.706) |
| | | [0.373] | [0.137] | [0.843] | [0.804] | [0.882] | [0.706] |
| | Mean | 21.34 | 21.34 | 21.34 | 21.08 | 21.08 | 21.08 |
| | Bandwidth | 85 | 85 | 85 | 85 | 85 | 85 |
| | Observations | 1,801 | 1,801 | 1,801 | 1,096 | 1,096 | 1,096 |
| Number of children | Schooling | -0.141 | -0.183 | -0.229 | -0.142 | -0.171 | -0.169 |
| | | (0.000) | (0.020) | (0.000) | (0.000) | (0.118) | (0.039) |
| | | [0.000] | [0.059] | [0.059] | [0.000] | [0.118] | [0.039] |
| | Schooling \times Childhood violence | -0.029 | -0.141 | -0.007 | -0.030 | -0.104 | 0.025 |
| | | (0.000) | (0.137) | (0.824) | (0.118) | (0.431) | (0.628) |
| | | [0.000] | [0.137] | [0.843] | [0.235] | [0.431] | [0.726] |
| | Childhood violence | 0.137 | 0.022 | -0.032 | 0.096 | -0.025 | -0.286 |
| | | (0.216) | (0.726) | (0.843) | (0.549) | (0.824) | (0.451) |
| | | [0.373] | [0.726] | [0.843] | [0.804] | [0.882] | [0.706] |
| | Mean | 1.50 | 1.50 | 1.50 | 1.70 | 1.70 | 1.70 |
| | Bandwidth | 85 | 85 | 85 | 85 | 85 | 85 |
| | Observations | $2,\!274$ | 2,274 | $2,\!274$ | 1,322 | 1,322 | 1,322 |

Table A25: Effects of Education on Labor Market Outcomes

| | | Ov | erall san | ple | Rı | ıral sam | ple |
|-----------------------|--------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-----------------|
| | | (1) OLS | (2) RF | (3) IV | (4) OLS | (5) RF | (6) IV |
| Employed | Schooling | 0.022 | 0.025 | 0.127 | 0.015 | 0.021 | 0.022 |
| | | (0.000) | (0.412) | (0.255) | (0.000) | (0.510) | (0.314) |
| | | [0.000] | [0.804] | [0.843] | [0.000] | [0.843] | [0.726] |
| | Schooling × Childhood violence | -0.002 | -0.033 | -0.127 | -0.006 | -0.041 | -0.030 |
| | | (0.843) | (0.569) | (0.177) | (0.510) | (0.510) | (0.373) |
| | Childhood violence | [0.863] 0.055 | [0.569] 0.048 | [0.824] 1.007 | [0.863] 0.093 | [0.529] 0.073 | [0.686] 0.270 |
| | Cinidilood violence | (0.255) | (0.118) | (0.157) | (0.314) | (0.118) | (0.275) |
| | | [0.530] | [0.549] | [0.824] | [0.863] | [0.275] | [0.588] |
| | Mean | 0.19 | 0.19 | 0.19 | 0.18 | 0.18 | 0.18 |
| | Bandwidth | 85 | 85 | 85 | 85 | 85 | 85 |
| | Observations | 1,718 | 1,718 | 1,718 | 1,056 | 1,056 | 1,056 |
| Employed in services | Schooling | 0.026 | 0.015 | 0.132 | 0.022 | -0.001 | 0.002 |
| | | (0.000) | (0.686) | (0.216) | (0.000) | (0.941) | (0.902) |
| | | [0.000] | [0.824] | [0.843] | [0.000] | [0.941] | [0.902] |
| | Schooling × Childhood violence | -0.003 | -0.092 | -0.184 | -0.007 | -0.071 | -0.036 |
| | | (0.784) | (0.039) | (0.098) | (0.588) | (0.177) | (0.294) |
| | Charles 1 | [0.863] | [0.196] | [0.745] | [0.863] | [0.529] | [0.608] |
| | Childhood violence | 0.050 | 0.055 | 1.417 | 0.077 | 0.056 | 0.277 |
| | | (0.255) | (0.078) | (0.098) | (0.431) | (0.137) | (0.216) |
| | M | [0.530] | [0.373] | [0.765] | [0.863] | [0.353] | [0.549] |
| | Mean Bandwidth | 0.14 | 0.14 | 0.14 | 0.11 | 0.11 | 0.11 |
| | Observations | 85 1.718 | 85 1,718 | 85 1,718 | 85 $1,056$ | 85 1,056 | 85 $1,056$ |
| Social security | Schooling | 1,718 0.025 | 0.020 | 0.117 | 0.019 | -0.009 | -0.006 |
| Social Security | Schooling | (0.023) | (0.373) | (0.510) | (0.000) | (0.765) | (0.784) |
| | | [0.000] | [0.804] | [0.843] | [0.000] | [0.882] | [0.902] |
| | Schooling × Childhood violence | -0.006 | -0.045 | -0.130 | -0.004 | -0.049 | -0.021 |
| | S | (0.412) | (0.314) | (0.412) | (0.706) | (0.196) | (0.333) |
| | | [0.784] | [0.510] | [0.824] | [0.863] | [0.530] | [0.686] |
| | Childhood violence | 0.047 | 0.015 | 0.988 | 0.029 | 0.021 | 0.148 |
| | | (0.235) | (0.667) | (0.431) | (0.686) | (0.510) | (0.431) |
| | | [0.530] | [0.902] | [0.824] | [0.863] | [0.843] | [0.549] |
| | Mean | 0.11 | 0.11 | 0.11 | 0.09 | 0.09 | 0.09 |
| | Bandwidth | 85 | 85 | 85 | 85 | 85 | 85 |
| | Observations | 1,718 | 1,718 | 1,718 | 1,056 | 1,056 | 1,056 |
| Personal income index | Schooling | 0.021 | -0.060 | -0.198 | 0.014 | -0.059 | -0.053 |
| | | (0.000) | (0.118) | (0.784) | (0.000) | (0.196) | (0.452) |
| | | [0.000] | [0.353] | [0.843] | [0.000] | [0.608] | [0.647] |
| | Schooling × Childhood violence | 0.009 | -0.061 | 0.094 | 0.026 | -0.082 | -0.017 |
| | | (0.510) | (0.294) | (0.804) | (0.647) | (0.235) | (0.667) |
| | Childhaad violensa | [0.824] | [0.510] | [0.824] | [0.863] | [0.529] | [0.686] |
| | Childhood violence | -0.091 (0.314) | -0.008 (0.824) | -0.778 (0.824) | -0.210 (0.471) | -0.011 (0.882) | 0.064 (0.823) |
| | | [0.530] | (0.824) $[0.902]$ | (0.824) $[0.824]$ | (0.471) $[0.863]$ | (0.882) $[0.882]$ | [0.823] |
| | Mean | -0.08 | -0.08 | -0.08 | -0.10 | -0.10 | -0.10 |
| | Bandwidth | 85 | 85 | 85 | 85 | 85 | 85 |
| | Observations | 1,718 | 1,718 | 1,718 | 1,056 | 1,056 | 1,056 |
| Asset ownership index | Schooling | 0.030 | -0.010 | -0.086 | 0.030 | 0.016 | 0.013 |
| | | (0.000) | (0.647) | (0.706) | (0.000) | (0.490) | (0.529) |
| | | [0.000] | [0.824] | [0.843] | [0.000] | [0.843] | [0.765] |
| | Schooling × Childhood violence | -0.013 | 0.059 | 0.120 | -0.005 | 0.050 | 0.019 |
| | | (0.000) | (0.020) | (0.706) | (0.431) | (0.196) | (0.314) |
| | | [0.020] | [0.196)] | [0.824] | [0.863] | [0.529] | [0.686] |
| | Childhood violence | 0.039 | -0.077 | -0.966 | -0.018 | -0.069 | -0.177 |
| | | (0.196) | (0.00) | (0.686) | (0.706) | (0.000) | (0.255) |
| | | [0.510] | [0.000] | [0.824] | [0.863] | [0.059] | [0.549] |
| | Mean | 0.03 | 0.03 | 0.03 | -0.01 | -0.01 | -0.01 |
| | Bandwidth | 85 | 85 | 85 | 85 | 85 | 85 |
| | Observations | 1,718 | 1,718 | 1,718 | 1,056 | 1,056 | 1,056 |

Table A26: Effect of Education on Partner Characteristics and Marriage Market Outcomes

| | | Ov | erall san | nple | Rı | ıral sam | ple |
|------------------------------|---------------------------------------|------------|-----------|-----------|------------|-----------|-----------|
| | | (1) OLS | (2) RF | (3) IV | (4) OLS | (5) RF | (6) IV |
| Partner's years of schooling | Schooling | 0.513 | 0.588 | 2.242 | 0.504 | 1.135 | 1.190 |
| | | (0.000) | (0.059) | (0.882) | (0.000) | (0.000) | (0.118) |
| | | [0.000] | [0.137] | [0.902] | [0.000] | [0.000] | [0.255] |
| | Schooling × Childhood violence | -0.047 | 1.052 | -0.964 | -0.094 | 0.806 | -0.284 |
| | | (0.392) | (0.000) | (0.922) | (0.216) | (0.020) | (0.412) |
| | | [0.647] | [0.039] | [0.941] | [0.804] | [0.333] | [0.588] |
| | Childhood violence | -0.016 | -0.848 | 7.334 | 0.299 | -0.756 | 1.871 |
| | | (0.961) | (0.000) | (0.745) | (0.922) | (0.020) | (0.392) |
| | | [0.961] | [0.020] | [0.941] | [0.941] | [0.216] | [0.667] |
| | Mean | 8.81 | 8.81 | 8.81 | 8.43 | 8.43 | 8.43 |
| | Bandwidth | 85 | 85 | 85 | 85 | 85 | 85 |
| | Observations | 1,703 | 1,703 | 1,703 | 1,043 | 1,043 | 1,043 |
| Partner's age | Schooling | 0.299 | 0.170 | -0.366 | 0.283 | 0.427 | 0.353 |
| | | (0.000) | (0.608) | (0.843) | (0.000) | (0.294) | (0.216) |
| | | [0.000] | [0.961] | [0.902] | [0.000] | [0.745] | [0.529] |
| | Schooling \times Childhood violence | -0.193 | 1.412 | 1.607 | 0.084 | 1.350 | 0.512 |
| | | (0.157) | (0.059) | (0.745) | (0.471) | (0.059) | (0.196) |
| | | [0.431] | [0.078] | [0.882] | [0.882] | [0.196] | [0.550] |
| | Childhood violence | 2.013 | 0.140 | -11.335 | -0.219 | 0.003 | -2.984 |
| | | (0.118) | (0.667) | (0.745) | (0.647) | (0.686) | (0.353) |
| | | [0.216] | [0.667] | [0.902] | [0.961] | [0.882] | [0.667] |
| | Mean | 24.81 | 24.81 | 24.81 | 24.60 | 24.60 | 24.60 |
| | Bandwidth | 85 | 85 | 85 | 85 | 85 | 85 |
| | Observations | 1,715 | 1,715 | 1,715 | 1,054 | 1,054 | 1,054 |
| Partner's religiosity index | Schooling | 0.004 | 0.001 | 0.023 | 0.004 | -0.024 | -0.031 |
| | | (0.078) | (0.961) | (0.863.) | (0.373) | (0.588) | (0.412) |
| | | [0.118] | [0.961] | [0.902] | [0.373] | [0.843] | [0.628] |
| | Schooling × Childhood violence | 0.023 | -0.028 | -0.043 | -0.023 | 0.187 | 0.105 |
| | | (0.353) | (0.843) | (0.824) | (0.373) | (0.078) | (0.098) |
| | | [0.647] | [0.961] | [0.941] | 0.824] | [0.333] | [0.471] |
| | Childhood violence | -0.457 | -0.282 | 0.033 | -0.038 | -0.265 | -0.930 |
| | | (0.118) | (0.020) | (0.961) | (0.824) | (0.059) | (0.039) |
| | | [0.216] | [0.020] | [0.961] | [0.961] | [0.177] | [0.294] |
| | Mean | 0.01 | 0.01 | 0.01 | 0.06 | 0.06 | 0.06 |
| | Bandwidth | 85 | 85 | 85 | 85 | 85 | 85 |
| | Observations | 1,718 | 1,718 | 1,718 | 1,056 | 1,056 | 1,056 |
| Marriage age | Schooling | 0.354 | 0.313 | 0.580 | 0.282 | 0.489 | 0.421 |
| | | (0.000) | (0.098) | (0.628) | (0.000) | (0.059) | (0.020) |
| | | [0.000] | [0.529] | [0.902] | [0.000] | [0.431] | [0.255] |
| | Schooling × Childhood violence | -0.081 | 0.888 | 0.376 | 0.008 | 1.001 | 0.303 |
| | | (0.196) | (0.000) | (0.745) | (0.471) | (0.098) | (0.157) |
| | | [0.569] | [0.020] | [0.941] | [0.882] | [0.177] | [0.549] |
| | Childhood violence | 0.311 | -0.563 | -2.866 | -0.079 | -0.160 | -1.801 |
| | | (0.490) | (0.020) | (0.745) | (0.863) | (0.687) | (0.353) |
| | | [0.804] | [0.078] | [0.922] | [0.961] | [0.882] | [0.667] |
| | Mean | 21.28 | 21.28 | 21.28 | 21.09 | 21.09 | 21.09 |
| | Bandwidth | 85 | 85 | 85 | 85 | 85 | 85 |
| | Observations | 1,715 | 1,715 | 1,715 | 1,054 | 1,054 | 1,054 |

Table A26: Effect of Education on Partner Characteristics and Marriage Market Outcomes, Cont'ed.

| | | Ove | erall san | ıple | Ru | ıral sam | ple |
|-------------------|---------------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|
| | | (1) OLS | (2) RF | (3) IV | (4) OLS | (5) RF | (6) IV |
| Marriage decision | Schooling | 0.036 (0.000) [0.000] | 0.118 (0.000) [0.000] | 0.409 (0.431) [0.902] | 0.037 (0.000) [0.000] | 0.163 (0.000) [0.000] | 0.144 (0.137) [0.255] |
| | Schooling \times Childhood violence | 0.029 (0.000) $[0.020]$ | 0.094 (0.118) [0.235] | -0.225 (0.412) $[0.902]$ | 0.042 (0.000) $[0.000]$ | 0.271 (0.000) $[0.000]$ | 0.069 (0.098) [0.549] |
| | Childhood violence | -0.247 (0.000) [0.059] | -0.075 (0.020) [0.078] | 1.726 (0.412) [0.902] | -0.299 (0.000) [0.039] | -0.106 (0.059) [0.216] | -0.450 (0.177) [0.667] |
| | Mean Bandwidth Observations | 0.57 85 1,718 | 0.57 85 1,718 | 0.57 85 1,718 | 0.52 85 1,056 | 0.52 85 1,056 | 0.52 85 1,056 |
| Divorced | Schooling | -0.002 (0.098) [0.118] | -0.008 (0.608) [0.961] | -0.031 (0.490) [0.902] | -0.002 (0.118) [0.216] | 0.010 (0.686) [0.843] | 0.010 (0.569) [0.628] |
| | Schooling \times Childhood violence | 0.004 (0.392) $[0.647]$ | -0.003 (0.941) [0.961] | 0.021 (0.549) $[0.941]$ | -0.004 (0.431) [0.882] | -0.010 (0.745) [0.745] | -0.009 (0.549) [0.588] |
| | Childhood violence | 0.010 (0.863) [0.922] | 0.043 (0.039) [0.078] | -0.120 (0.667) [0.941] | 0.042 (0.373) $[0.942]$ | 0.019 (0.451) $[0.882]$ | 0.080 (0.510) $[0.667]$ |
| | Mean Bandwidth Observations | 0.06 85 1,718 | 0.06 85 1,718 | 0.06 85 1,718 | 0.05 85 1,056 | 0.05 85 1,056 | 0.05 85 1,056 |

Table A27: Effects of Education on Spousal Violence

| | | Ov | erall san | ıple | Rı | ıral sam | ple |
|------------------------------|---------------------------------------|------------|-----------|-----------|------------|-----------|-----------|
| | | (1) OLS | (2) RF | (3) IV | (4) OLS | (5) RF | (6) IV |
| Physical violence index | Schooling | -0.016 | -0.121 | -0.376 | -0.019 | -0.049 | -0.031 |
| | | (0.000) | (0.020) | (0.549) | (0.000) | (0.451) | (0.569) |
| | | [0.000] | [0.118] | [0.843] | [0.000] | [0.588] | [0.608] |
| | Schooling \times Childhood violence | -0.052 | -0.153 | 0.145 | -0.045 | -0.373 | -0.168 |
| | | (0.000) | (0.314) | (0.667) | (0.020) | (0.20) | (0.059) |
| | | [0.000] | [0.549] | [0.843] | [0.039] | [0.20] | [0.098] |
| | Childhood violence | 0.951 | 0.618 | -0.608 | 0.794 | 0.613 | 1.635 |
| | | (0.000) | (0.000) | (0.765) | (0.000) | (0.000) | (0.000) |
| | | [0.000] | [0.000] | [0.824] | [0.000] | [0.000] | [0.020] |
| | Mean | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | Bandwidth | 85 | 85 | 85 | 85 | 85 | 85 |
| | Observations | 1,718 | 1,718 | 1,718 | 1,056 | 1,056 | 1,056 |
| Psychological violence index | Schooling | -0.018 | 0.027 | 0.135 | -0.024 | 0.042 | 0.045 |
| | | (0.000) | (0.647) | (0.843) | (0.000) | (0.333) | (0.431) |
| | | [0.000] | [0.647] | [0.843] | [0.000] | [0.588] | [0.608] |
| | Schooling × Childhood violence | 0.002 | -0.033 | -0.132 | 0.001 | -0.124 | -0.080 |
| | | (0.941) | (0.628) | (0.824) | (0.020) | (0.157) | (0.078) |
| | | [0.941] | [0.628] | [0.843] | [0.039] | [0.314] | [0.157] |
| | Childhood violence | 0.349 | 0.381 | 1.381 | 0.264 | 0.323 | 0.845 |
| | | (0.000) | (0.000) | (0.804) | (0.039) | (0.000) | (0.000) |
| | | [0.020] | [0.000] | [0.824] | [0.039] | [0.000] | [0.059] |
| | Mean | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 |
| | Bandwidth | 85 | 85 | 85 | 85 | 85 | 85 |
| | Observations | 1,718 | 1,718 | 1,718 | 1,056 | 1,056 | 1,056 |
| Financial control index | Schooling | -0.009 | 0.068 | 0.341 | -0.013 | 0.083 | 0.086 |
| | | (0.000) | (0.157) | (0.314) | (0.000) | (0.255) | (0.373) |
| | | [0.000] | [0.392] | [0.823] | [0.000] | [0.490] | [0.529] |
| | Schooling \times Childhood violence | -0.023 | -0.120 | -0.368 | -0.062 | -0.167 | -0.120 |
| | | (0.314) | (0.392) | (0.353) | (0.000) | (0.216) | (0.098) |
| | | [0.490] | [0.569] | [0.745] | [0.000] | [0.314] | [0.157] |
| | Childhood violence | 0.439 | 0.316 | 3.077 | 0.530 | 0.186 | 0.976 |
| | | (0.020) | (0.020) | (0.314) | (0.039) | (0.059) | (0.059) |
| | | [0.020] | [0.020] | [0.726] | [0.039] | [0.059] | [0.059] |
| | Mean | -0.04 | -0.04 | -0.04 | -0.05 | -0.05 | -0.05 |
| | Bandwidth | 85 | 85 | 85 | 85 | 85 | 85 |
| | Observations | 1,711 | 1,711 | 1,711 | 1,051 | 1,051 | 1,051 |

E Extended Tables

Table A28: Effects of Education on Labor Market Outcomes

| | | Ov | erall samp | le | Ru | ıral samp | le |
|--|---------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|
| | | (1) OLS | (2) RF | (3) IV | (4) OLS | (5) RF | (6) IV |
| Employed | Schooling | 0.022*** | 0.025 | 0.127 | 0.015*** | 0.021 | 0.022 |
| | | (0.004) | (0.034) | (0.234) | (0.004) | (0.039) | (0.038) |
| | Schooling \times Childhood violence | -0.002 | -0.033 | -0.127 | -0.006 | -0.041 | -0.030 |
| | | (0.009) | (0.067) | (0.219) | (0.013) | (0.081) | (0.049) |
| | Childhood violence | 0.055 | 0.048 | 1.007 | 0.093 | 0.073 | 0.270 |
| | | (0.067) | (0.043) | (1.684) | (0.097) | (0.056) | (0.357) |
| | Mean | 0.19 | 0.19 | 0.19 | 0.18 | 0.18 | 0.18 |
| | Bandwidth | 85 | 85 | 85 | 85 | 85 | 85 |
| | Observations | 1,718 | 1,718 | 1,718 | 1,056 | 1,056 | 1,056 |
| Employed in services | Schooling | 0.026*** | 0.015 | 0.132 | 0.022*** | -0.001 | 0.002 |
| | | (0.004) | (0.028) | (0.236) | (0.004) | (0.032) | (0.031) |
| | Schooling × Childhood violence | -0.003 | -0.092* | -0.184 | -0.007 | -0.071 | -0.036 |
| | | (0.009) | (0.055) | (0.215) | (0.014) | (0.061) | (0.040) |
| | Childhood violence | 0.050 | $0.055^{'}$ | 1.417 | 0.077 | 0.056 | $0.277^{'}$ |
| | | (0.059) | (0.041) | (1.658) | (0.094) | (0.048) | (0.299) |
| | Mean | 0.14 | 0.14 | 0.14 | 0.11 | 0.11 | 0.11 |
| | Bandwidth | 85 | 85 | 85 | 85 | 85 | 85 |
| | Observations | 1,718 | 1,718 | 1,718 | 1,056 | 1,056 | 1,056 |
| Social security | Schooling | 0.025*** | 0.020 | 0.117 | 0.019*** | -0.009 | -0.006 |
| | 8 | (0.003) | (0.026) | (0.222) | (0.004) | (0.030) | (0.030) |
| | Schooling × Childhood violence | -0.006 | -0.045 | -0.130 | -0.004 | -0.049 | -0.021 |
| | Semoning // Omnancea visionee | (0.008) | (0.043) | (0.202) | (0.012) | (0.054) | (0.036) |
| | Childhood violence | 0.047 | 0.015 | 0.988 | 0.029 | 0.021 | 0.148 |
| | Cilifatiood Violence | (0.053) | (0.035) | (1.559) | (0.071) | (0.048) | (0.281) |
| | Mean | 0.11 | 0.11 | 0.11 | 0.09 | 0.09 | 0.09 |
| | Bandwidth | 85 | 85 | 85 | 85 | 85 | 85 |
| | Observations | 1,718 | 1,718 | 1,718 | 1,056 | 1,056 | 1,056 |
| Personal income index | Schooling | 0.021*** | -0.060 | -0.198 | 0.014*** | -0.059 | -0.053 |
| i ersonai income index | Schooling | (0.021) | (0.044) | (0.426) | (0.005) | (0.061) | (0.070) |
| | Schooling × Childhood violence | 0.009 | -0.061 | 0.094 | 0.026 | -0.082 | -0.017 |
| | Schooling × Childhood violence | (0.017) | (0.065) | (0.376) | (0.033) | (0.095) | (0.073) |
| | Childhood violence | -0.091 | -0.008 | -0.778 | -0.210 | -0.011 | 0.064 |
| | Cilifatiood violence | (0.112) | (0.052) | (2.895) | (0.192) | (0.079) | (0.556) |
| | Mean | -0.08 | -0.08 | -0.08 | -0.10 | -0.10 | -0.10 |
| | Bandwidth | -0.08 85 | -0.08 85 | -0.06 85 | -0.10 85 | -0.10 85 | -0.10 85 |
| | | | | | | | |
| ٨ 4 المناه ال | Observations | 1,718 | 1,718 | 1,718 | 1,056 | 1,056 | 1,056 |
| Asset ownership index | Schooling | 0.030*** | -0.010 | -0.086 | 0.030*** | 0.016 | 0.013 |
| | C-hli | (0.002) | (0.021) | (0.203) | (0.002) | (0.028) | (0.025) |
| | Schooling × Childhood violence | -0.013** | 0.059 | 0.120 | -0.005 | 0.050 | 0.019 |
| | Cl : 1 11 1 : 1 | (0.006) | (0.038) | (0.183) | (0.008) | (0.048) | (0.027) |
| | Childhood violence | 0.039 | -0.077*** | -0.966 | -0.018 | -0.069** | -0.177 |
| | 3.6 | (0.039) | (0.022) | (1.407) | (0.054) | (0.031) | (0.195) |
| | Mean | 0.03 | 0.03 | 0.03 | -0.01 | -0.01 | -0.01 |
| | Bandwidth | 85 | 85 | 85 | 85 | 85 | 85 |
| | Observations | 1,718 | 1,718 | 1,718 | 1,056 | 1,056 | 1,056 |

Notes: Data are from the 2014 National Survey on Domestic Violence against Women in Turkey. Please see Table 2 for table notes.

Table A29: Effect of Education on Partner Characteristics and Marriage Market Outcomes

| | | Ov | erall samp | ole | Ru | ıral sampl | e |
|------------------------------|---------------------------------------|------------|------------|-----------|------------|------------|-----------|
| | | (1) OLS | (2) RF | (3) IV | (4) OLS | (5) RF | (6) IV |
| Partner's years of schooling | Schooling | 0.513*** | 0.588* | 2.242 | 0.504*** | 1.135*** | 1.190* |
| | | (0.029) | (0.354) | (4.346) | (0.035) | (0.429) | (0.628) |
| | Schooling \times Childhood violence | -0.047 | 1.052* | -0.964 | -0.094 | 0.806 | -0.284 |
| | | (0.067) | (0.540) | (3.915) | (0.104) | (0.731) | (0.533) |
| | Childhood violence | -0.016 | -0.848*** | 7.334 | 0.299 | -0.756* | 1.871 |
| | | (0.548) | (0.325) | (30.142) | (0.835) | (0.427) | (3.802) |
| | Mean | 8.81 | 8.81 | 8.81 | 8.43 | 8.43 | 8.43 |
| | Bandwidth | 85 | 85 | 85 | 85 | 85 | 85 |
| | Observations | 1,703 | 1,703 | 1,703 | 1,043 | 1,043 | 1,043 |
| Partner's age | Schooling | 0.299*** | 0.170 | -0.366 | 0.283*** | 0.427 | 0.353 |
| | | (0.036) | (0.439) | (2.244) | (0.048) | (0.598) | (0.555) |
| | Schooling × Childhood violence | -0.193 | 1.412 | 1.607 | 0.084 | 1.350 | 0.512 |
| | | (0.155) | (0.886) | (2.428) | (0.134) | (0.876) | (0.561) |
| | Childhood violence | 2.013 | 0.140 | -11.335 | -0.219 | 0.003 | -2.984 |
| | | (1.282) | (0.408) | (18.336) | (0.948) | (0.541) | (3.966) |
| | Mean | 24.81 | 24.81 | 24.81 | 24.60 | 24.60 | 24.60 |
| | Bandwidth | 85 | 85 | 85 | 85 | 85 | 85 |
| | Observations | 1,715 | 1,715 | 1,715 | 1,054 | 1,054 | 1,054 |
| Partner's religiosity index | Schooling | 0.004 | 0.001 | 0.023 | 0.004 | -0.024 | -0.031 |
| | | (0.005) | (0.068) | (0.292) | (0.006) | (0.068) | (0.067) |
| | Schooling \times Childhood violence | 0.023 | -0.028 | -0.043 | -0.023 | 0.187 | 0.105 |
| | | (0.032) | (0.169) | (0.303) | (0.030) | (0.160) | (0.097) |
| | Childhood violence | -0.457* | -0.282*** | 0.033 | -0.038 | -0.265** | -0.930 |
| | | (0.265) | (0.106) | (2.323) | (0.228) | (0.124) | (0.723) |
| | Mean | 0.01 | 0.01 | 0.01 | 0.06 | 0.06 | 0.06 |
| | Bandwidth | 85 | 85 | 85 | 85 | 85 | 85 |
| | Observations | 1,718 | 1,718 | 1,718 | 1,056 | 1,056 | 1,056 |
| Marriage age | Schooling | 0.354*** | 0.313 | 0.580 | 0.282*** | 0.489 | 0.421 |
| | | (0.025) | (0.310) | (1.394) | (0.033) | (0.416) | (0.388) |
| | Schooling \times Childhood violence | -0.081 | 0.888** | 0.376 | 0.008 | 1.001* | 0.303 |
| | | (0.083) | (0.439) | (1.381) | (0.113) | (0.587) | (0.366) |
| | Childhood violence | 0.311 | -0.563* | -2.866 | -0.079 | -0.160 | -1.801 |
| | | (0.665) | (0.330) | (10.561) | (0.841) | (0.436) | (2.652) |
| | Mean | 21.28 | 21.28 | 21.28 | 21.09 | 21.09 | 21.09 |
| | Bandwidth | 85 | 85 | 85 | 85 | 85 | 85 |
| | Observations | 1,715 | 1,715 | 1,715 | 1,054 | 1,054 | 1,054 |
| Marriage decision | Schooling | 0.036*** | 0.118*** | 0.409 | 0.037*** | 0.163*** | 0.144 |
| | | (0.004) | (0.044) | (0.682) | (0.005) | (0.059) | (0.088) |
| | Schooling \times Childhood violence | 0.029*** | 0.094 | -0.225 | 0.042*** | 0.271*** | 0.069 |
| | | (0.010) | (0.075) | (0.585) | (0.011) | (0.086) | (0.076) |
| | Childhood violence | -0.247*** | -0.075* | 1.726 | -0.299*** | -0.106* | -0.450 |
| | | (0.087) | (0.044) | (4.508) | (0.092) | (0.061) | (0.540) |
| | Mean | 0.57 | 0.57 | 0.57 | 0.52 | 0.52 | 0.52 |
| | Bandwidth | 85 | 85 | 85 | 85 | 85 | 85 |
| | Observations | 1,718 | 1,718 | 1,718 | 1,056 | 1,056 | 1,056 |
| Divorced | Schooling | -0.002 | -0.008 | -0.031 | -0.002 | 0.010 | 0.010 |
| | | (0.002) | (0.021) | (0.110) | (0.002) | (0.029) | (0.028) |
| | Schooling \times Childhood violence | 0.004 | -0.003 | 0.021 | -0.004 | -0.010 | -0.009 |
| | | (0.008) | (0.042) | (0.110) | (0.007) | (0.044) | (0.028) |
| | Childhood violence | 0.010 | 0.043 | -0.120 | 0.042 | 0.019 | 0.080 |
| | | (0.060) | (0.031) | (0.844) | (0.062) | (0.036) | (0.211) |
| | Mean | 0.06 | 0.06 | 0.06 | 0.05 | 0.05 | 0.05 |
| | Bandwidth | 85 | 85 | 85 | 85 | 85 | 85 |
| | Observations | 1,718 | 1,718 | 1,718 | 1,056 | 1,056 | 1,056 |

Notes: Data are from the 2014 National Survey on Domestic Violence against Women in Turkey. Please see Table 2 for table notes.