

Appendix A. Intergenerational mobility papers imputing father's earnings using TSTSLS

	Country	Sample size (Main data)	Offspring' income	Sample size (Auxiliary)	Imputer variables and 1st stage R ²
Aaronson and Mazumder (2008)	United States	Men, 25-54 years old, born btw 1921 and 1975.	Earnings	1940-1970: 1% sample 1980-2000: 5% sample	State of birth R ² : Not reported
Andrews and Leigh (2009)	16 countries	Not reported	Son's log hourly wage.	Not reported	192 Occupation dummies (off-spring reported) R ² : Not reported
Bauer (2006)	Switzerland	2,138	Average earnings from work	41,362	Occupation (9 dummies) Education (7 dummies) Swiss citizen dummy R ² = 0.27
Bidisha (2013)	United Kingdom	3.823	Average log wages of full time workers and earnings of self-employees over the panel	935	Education (3 dummies), occupation (3 dummies); immigrant status; ethnic group; professional level (4 dummies); cohort (2 dummies); Hope-Goldthrope score; R ² =0.323
Björklund and Jantti (1997)	Sweden and USA	Sweden: 327 US: Not reported	Annual log earnings and capital market income	Sweden: 540 US: Not reported	Education (2 dummies); Occupation (8 dummies); Living in Stockholm Note: Children reports R ² : Not reported
Cavaglia (2014)	Germany, Italy, UK, US	Germany = 27442 Italy = 6860 UK = 14363 US = 7530	Labour income	Germany = 4,534 Italy = 1,516 UK = 4,989 US = 7,918	Education, occupation and industry R ² Germany = 0.47 R ² Italy = 0.34 R ² UK = 0.31 R ² US = 0.22
Cervini-Pla (2011)	Spain	2,836 sons 1,696 daughters	Annual log earnings of sons. For daughters: log family income.	 5, 929	Education (6 dummies) Occupation (9 dummies). R ² : 0.40

	Country	Sample size (Main data)	Offspring' income	Sample size (Auxiliary)	Imputer variables and 1st stage R ²
Dunn (2007)	Brazil	14,872	Annual log “earnings from all jobs”.	37,396	Father’s education (10 categories) R ² : Not reported.
Ferreira and Veloso (2006)	Brazil	25,927	Log wages.	59,340	Father’s education (7 dummies) Father’s occupation (6 dummies) R ² : Not reported
Fortin and Lefebvre (1998)	Canada	Father – son: 3,400 (1986) 2,459 (1994) Father-daughter: 2,474 (1986) 2,308 (1994)	Annual income	Circa 500,000 each year	Father’s occupation (15 groups) R ² : Not reported
Gong et al. (2012)	China	5,475	Annual log income.	Varies depending on UHIES sample.	Father’s education; Father’s occupation; Industry. R ² : Not reported
Grawe (2004)	Ecuador, Nepal, Pakistan, and Peru	Ecuador: 1,461 Nepal: 229 Pakistan: 171 Peru: 98	Total wage income	Ecuador: 685 Nepal: 239 Pakistan: 441 Peru: 166	Father’s education.
Lefranc et al. (2010)	France and Japan	Japan: 987 France 13,487	Japan: Individual primary income (labor + assets) before tax or transfer. France: Annual earnings from labor.	Fathers btw 25 and 54, in Japan. Fathers btw 24 and 60 in France.	Linking variables: Japan: year of birth; 3 educational levels and occupation. R2: N.R. France: year of birth; 6 levels of education. R2: N.R.
Lefranc (2011)	France	29,415	Annual wages	48,245	Father’s education (6 groups). Note: Offspring reports R ² : Not reported

	Country	Sample size (Main data)	Offspring' income	Sample size (Auxiliary)	Imputer variables and 1st stage R ²
Lefranc and Trannoy (2005)	France and USA	1977: 2,023 1985: 2,114 1993: 771	Wages	2,364 – 6,488 depending on the year.	Father's education (8 groups) Father's occupation (7 groups) Note: Offspring reported. R ² : 0.49 - 0.54
Lefranc et al. (2013)	Japan	2,273	Gross individual income	7,170	Father education (3 groups) Father occupation (8 groups) Firm size (2 groups) Self-employment; Residential area (3 groups). R ² : 0.46
Leigh (2007)	Australia	1965: 946 1973: 1871 1987: 243 2004: 2115	Hourly wages	1965: 946 1973: 1871 1987: 243 2004: 2115	Father's occupations (78 to 241 groups depending on survey). Offspring reported. R ² : Not reported
Murtazashvili et al (2013)	US and Sweden	US:467 Sweden: 324	Annual earnings	US: 1,613 Sweden: 565	Father's education Father's occupation
Mocetti (2007)	Italy	3,200	Gross income from all sources but financial assets.	4,903	Father's education (5 groups; Work status (5 groups); employment sector (4 groups); geographical area (3 groups). R ² : 0.30
Nicoletti and Ermisch (2008)	UK	8,832	31-45 years old sons, with positive income (employed or self- employed) in at least one wave of the panel	896	Father's occupation (4 groups) Father's education (5 groups). R ² : 0.31
Núñez and Miranda (2010)	Chile	11,186	25 to 40 years old log earnings of sons working at least 30hs x week	1987: 19,192 1990: 20,378	Father's occupation (4 groups) Father's education (5 groups).

					R ² : 0.29 - 0.37.
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	Country	Sample size (Main data)	Offspring' income	Sample size (Auxiliary)	Imputer variables and 1st stage R ²
Núñez and Miranda (2011)	Chile (Greater Santiago)	649	Log income	1,736 - 2,700 (depending on the year)	Father's education (3 groups) Father's occupation (5 groups) R ² : 0.48 – 0.66
Piraino (2007)	Italy	1,956	Gross income from all sources bar financial assets.	953	Father's education (5 groups); work status (4 groups); employment sector (4 groups); geographical area (2 groups) R ² = 0.33.
Piraino (2014)	South Africa	1,241 - 2,590	Monthly gross employment earnings.	1,355	Education (5 groups) Occupation (5 groups) R ² ≈ 0.40
Roccisano (2013)	Italy	786	Earnings	3,203	Education Occupation Industry R ² ≈ 0.20
Ueda (2009)	Japan	1,114 married sons; 906 single daughters; 1,390 married daughters	Gross annual earnings and income from all sources.		Father's years of education; Father's occupation and firm size (7 groups). R ² : Not reported.

Ueda (2013)	Korea and Japan	Both countries: size varies depending on civil status of the sons and daughters	Annual earnings	Korea: Fathers btw 25 and 54 Japan:	Korea: education and occupation Japan: parental income . R ² :Not reported
Ueda and Sun (2013)	Taiwan	745	Annual income	745	Father's education (6 groups); Father's occupation (11 groups). R ² : Not reported.

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Appendix B. First-stage parameter estimates

Model M1a. Time-average earnings as the first-stage dependent variable. Father's own reports of Z characteristics

VARIABLES	Beta (se)
Father_Race = 2, Black	-0.319 (0.00175)
Father_Race = 3, American Indian	-0.255 (0.00759)
Father_Race = 4, Asian	0.0112 (0.00977)
Father_Race = 5, Pacific Islander	-0.275 (0.0211)
Father_Race = 7, Other / Unknown	0.0560 (0.00304)
Father_Report_Father_Ed = 2, Grades 6 - 8	0.534 (0.00645)
Father_Report_Father_Ed = 3, Grades 9 - 11	0.734 (0.00604)
Father_Report_Father_Ed = 4, Grade 12 (HS completion)	0.861 (0.00589)
Father_Report_Father_Ed = 5, Some college / associates degree	1.010 (0.00591)
Father_Report_Father_Ed = 6, College degree	1.316 (0.00607)
Father_Report_Father_Ed = 7, Advanced college degree	1.431 (0.00601)
Constant	9.939 (0.00585)
Observations	500,000
R-squared	0.383

Model M1b. Father's earnings in 1980 as the first-stage dependent variable. Father's own reports of Z characteristics

VARIABLES	Beta (se)
Father_Race = 2, Black	-0.303 (0.00270)
Father_Race = 3, American Indian	-0.298 (0.0115)
Father_Race = 4, Asian	0.101 (0.0147)
Father_Race = 5, Pacific Islander	-0.241 (0.0317)
Father_Race = 7, Other / Unknown	0.0846 (0.00467)
Father_Report_Father_Ed = 2, Grades 6 - 8	0.613 (0.00982)
Father_Report_Father_Ed = 3, Grades 9 - 11	0.744 (0.00932)
Father_Report_Father_Ed = 4, Grade 12 (HS completion)	0.985 (0.00913)
Father_Report_Father_Ed = 5, Some college / associates degree	1.170 (0.00918)
Father_Report_Father_Ed = 6, College degree	1.361 (0.00940)
Father_Report_Father_Ed = 7, Advanced college degree	1.356 (0.00929)
Father_Age6_Dummies = 1	-0.693 (0.00440)
Father_Age6_Dummies = 2	-0.415 (0.00375)
Father_Age6_Dummies = 3	-0.227 (0.00361)
Father_Age6_Dummies = 4	-0.0808 (0.00386)
Father_Age6_Dummies = 6	0.0111 (0.00397)
Father_Age6_Dummies = 7	-0.0828 (0.00390)
Father_Age6_Dummies = 8	0.112 (0.00470)
Father_Age6_Dummies = 9	-0.580 (0.00622)
Constant	9.980 (0.00951)
Observations	498,987
R-squared	0.250

Model M1c. Time-average earnings as the first-stage dependent variable. Sons' recall of father's Z characteristics

VARIABLES	Beta (se)
Father_Race = 2, Black	-0.348 (0.00178)
Father_Race = 3, American Indian	-0.419 (0.00802)
Father_Race = 4, Asian	0.103 (0.0100)
Father_Race = 5, Pacific Islander	-0.202 (0.0217)
Father_Race = 7, Other / Unknown	0.0306 (0.00311)
Child_Report_Father_Ed = 1, Grades 1 - 5	0.0249 (0.0103)
Child_Report_Father_Ed = 2, Grades 6 - 8	0.259 (0.00936)
Child_Report_Father_Ed = 3, Grades 9 - 11	0.388 (0.00935)
Child_Report_Father_Ed = 4, Grade 12 (HS completion)	0.468 (0.00917)
Child_Report_Father_Ed = 5, Some college / associates degree	0.613 (0.00920)
Child_Report_Father_Ed = 6, College degree	0.939 (0.00925)
Child_Report_Father_Ed = 7, Advanced college degree	1.059 (0.00932)
Child_Report_Father_Ed = 10, 10	1.005 (0.0109)
Constant	10.34 (0.00914)
Observations	500,000
R-squared	0.352

Model M1d. Father's earnings in 1980 as the first-stage dependent variable. Sons' recall of father's Z characteristics

VARIABLES	Beta (se)
Father_Race = 2, Black	-0.343 (0.00269)
Father_Race = 3, American Indian	-0.437 (0.0119)
Father_Race = 4, Asian	0.129 (0.0148)
Father_Race = 5, Pacific Islander	-0.0721 (0.0320)
Father_Race = 7, Other / Unknown	0.0674 (0.00468)
Child_Report_Father_Ed = 1, Grades 1 - 5	0.205 (0.0153)
Child_Report_Father_Ed = 2, Grades 6 - 8	0.143 (0.0138)
Child_Report_Father_Ed = 3, Grades 9 - 11	0.525 (0.0139)
Child_Report_Father_Ed = 4, Grade 12 (HS completion)	0.564 (0.0136)
Child_Report_Father_Ed = 5, Some college / associates degree	0.752 (0.0137)
Child_Report_Father_Ed = 6, College degree	0.923 (0.0137)
Child_Report_Father_Ed = 7, Advanced college degree	1.019 (0.0138)
Child_Report_Father_Ed = 10, 10	0.353 (0.0161)
Father_Age16_Dummies = 1	-0.682 (0.00441)
Father_Age16_Dummies = 2	-0.377 (0.00377)
Father_Age16_Dummies = 3	-0.236 (0.00366)
Father_Age16_Dummies = 4	-0.0905 (0.00388)
Father_Age16_Dummies = 6	0.0119 (0.00400)
Father_Age16_Dummies = 7	-0.0721 (0.00394)
Father_Age16_Dummies = 8	0.0666 (0.00474)
Father_Age16_Dummies = 9	-0.621 (0.00621)
Constant	10.40 (0.0139)
Observations	498,987
R-squared	0.242

Model M2a. Time-average earnings as the first-stage dependent variable. Father's own reports of Z characteristics

VARIABLES	Beta (se)
Father_Race = 2, Black	-0.265 (0.00174)
Father_Race = 3, American Indian	-0.245 (0.00720)
Father_Race = 4, Asian	0.0167 (0.00940)
Father_Race = 5, Pacific Islander	-0.220 (0.0201)
Father_Race = 7, Other / Unknown	0.0485 (0.00291)
Father_Report_Father_Ed = 2, Grades 6 - 8	0.360 (0.00620)
Father_Report_Father_Ed = 3, Grades 9 - 11	0.516 (0.00586)
Father_Report_Father_Ed = 4, Grade 12 (HS completion)	0.627 (0.00570)
Father_Report_Father_Ed = 5, Some college / associates degree	0.715 (0.00576)
Father_Report_Father_Ed = 6, College degree	1.016 (0.00591)
Father_Report_Father_Ed = 7, Advanced college degree	1.056 (0.00595)
Father_Report_Class_Age_15 = 2, Managers and administrators	0.00981 (0.00199)
Father_Report_Class_Age_15 = 3, Sales workers	-0.0210 (0.00314)
Father_Report_Class_Age_15 = 4, Clerical	-0.195 (0.00363)
Father_Report_Class_Age_15 = 5, Craftsmen	-0.113 (0.00225)
Father_Report_Class_Age_15 = 6, Operatives	-0.192 (0.00282)
Father_Report_Class_Age_15 = 7, Transport equipment	-0.212 (0.00289)
Father_Report_Class_Age_15 = 8, laborers	-0.319 (0.00368)
Father_Report_Class_Age_15 = 9, Farmers	-0.645 (0.00349)
Father_Report_Class_Age_15 = 10, Service workers	-0.235 (0.00304)
Father_Report_Class_Age_15 = 99, Unknown	-0.392 (0.00297)
Constant	10.34 (0.00596)
Observations	500,000
R-squared	0.447

Model M2b. Father's earnings in 1980 as the first-stage dependent variable. Father's own reports of Z characteristics

VARIABLES	Beta (se)
Father_Race = 2, Black	-0.285 (0.00270)
Father_Race = 3, American Indian	-0.267 (0.0111)
Father_Race = 4, Asian	0.132 (0.0143)
Father_Race = 5, Pacific Islander	-0.312 (0.0307)
Father_Race = 7, Other / Unknown	0.0627 (0.00454)
Father_Report_Father_Ed = 2, Grades 6 - 8	0.403 (0.00956)
Father_Report_Father_Ed = 3, Grades 9 - 11	0.458 (0.00916)
Father_Report_Father_Ed = 4, Grade 12 (HS completion)	0.685 (0.00896)
Father_Report_Father_Ed = 5, Some college / associates degree	0.808 (0.00906)
Father_Report_Father_Ed = 6, College degree	0.998 (0.00927)
Father_Report_Father_Ed = 7, Advanced college degree	0.897 (0.00933)
Father_Report_Class_Age_15 = 2, Managers and administrators	0.0557 (0.00304)
Father_Report_Class_Age_15 = 3, Sales workers	-0.120 (0.00479)
Father_Report_Class_Age_15 = 4, Clerical	-0.236 (0.00558)
Father_Report_Class_Age_15 = 5, Craftsmen	-0.120 (0.00344)
Father_Report_Class_Age_15 = 6, Operatives	-0.253 (0.00432)
Father_Report_Class_Age_15 = 7, Transport equipment	-0.0905 (0.00445)
Father_Report_Class_Age_15 = 8, laborers	-0.163 (0.00569)
Father_Report_Class_Age_15 = 9, Farmers	-0.853 (0.00533)
Father_Report_Class_Age_15 = 10, Service workers	-0.0983 (0.00465)
Father_Report_Class_Age_15 = 99, Unknown	-0.505 (0.00456)
Father_Age7_Dummies = 1	-0.751 (0.00424)
Father_Age7_Dummies = 2	-0.471 (0.00364)
Father_Age7_Dummies = 3	-0.241 (0.00348)
Father_Age7_Dummies = 4	-0.124 (0.00372)
Father_Age7_Dummies = 6	-0.0415 (0.00385)
Father_Age7_Dummies = 7	-0.133

Father_Age7_Dummies = 8	(0.00377) 0.0724
Father_Age7_Dummies = 9	(0.00453) -0.624
Constant	(0.00601) 10.48 (0.00977)
Observations	498,987
R-squared	0.311

Model M2c. Time-average earnings as the first-stage dependent variable. Sons' recall of father's Z characteristics

VARIABLES	Beta (se)
Father_Race = 2, Black	-0.302 (0.00181)
Father_Race = 3, American Indian	-0.386 (0.00782)
Father_Race = 4, Asian	0.0663 (0.00980)
Father_Race = 5, Pacific Islander	-0.190 (0.0211)
Father_Race = 7, Other / Unknown	0.0402 (0.00317)
Child_Report_Father_Ed = 1, Grades 1 - 5	-0.0698 (0.0101)
Child_Report_Father_Ed = 2, Grades 6 - 8	0.160 (0.00919)
Child_Report_Father_Ed = 3, Grades 9 - 11	0.295 (0.00916)
Child_Report_Father_Ed = 4, Grade 12 (HS completion)	0.349 (0.00901)
Child_Report_Father_Ed = 5, Some college / associates degree	0.488 (0.00905)
Child_Report_Father_Ed = 6, College degree	0.802 (0.00911)
Child_Report_Father_Ed = 7, Advanced college degree	0.882 (0.00917)
Child_Report_Father_Ed = 10, 10	0.860 (0.0107)
Child_Report_Father_Class_1970 = 2, Managers and administrators	0.00951 (0.00236)
Child_Report_Father_Class_1970 = 3, Sales workers	0.0288 (0.00296)
Child_Report_Father_Class_1970 = 4, Clerical	0.00381 (0.00404)
Child_Report_Father_Class_1970 = 5, Craftsmen	-0.108 (0.00220)
Child_Report_Father_Class_1970 = 6, Operatives	-0.107 (0.00256)
Child_Report_Father_Class_1970 = 7, Transport equipment	-0.0453 (0.00298)
Child_Report_Father_Class_1970 = 8, laborers	-0.190 (0.00310)
Child_Report_Father_Class_1970 = 9, Farmers	-0.294 (0.00293)
Child_Report_Father_Class_1970 = 10, Service workers	-0.115 (0.00335)
Constant	10.54 (0.00916)
Observations	490,850
R-squared	0.376

Model M2d. Father's earnings in 1980 as the first-stage dependent variable. Sons' recall of father's Z characteristics

VARIABLES	Beta (se)
Father_Race = 2, Black	-0.302 (0.00277)
Father_Race = 3, American Indian	-0.431 (0.0119)
Father_Race = 4, Asian	0.107 (0.0148)
Father_Race = 5, Pacific Islander	-0.0399 (0.0318)
Father_Race = 7, Other / Unknown	0.0802 (0.00485)
Child_Report_Father_Ed = 1, Grades 1 - 5	0.0987 (0.0153)
Child_Report_Father_Ed = 2, Grades 6 - 8	0.00605 (0.0139)
Child_Report_Father_Ed = 3, Grades 9 - 11	0.407 (0.0139)
Child_Report_Father_Ed = 4, Grade 12 (HS completion)	0.417 (0.0137)
Child_Report_Father_Ed = 5, Some college / associates degree	0.585 (0.0137)
Child_Report_Father_Ed = 6, College degree	0.763 (0.0138)
Child_Report_Father_Ed = 7, Advanced college degree	0.821 (0.0139)
Child_Report_Father_Ed = 10, 10	0.192 (0.0161)
Child_Report_Father_Class_1970 = 2, Managers and administrators	0.0532 (0.00356)
Child_Report_Father_Class_1970 = 3, Sales workers	-0.0391 (0.00448)
Child_Report_Father_Class_1970 = 4, Clerical	0.0437 (0.00611)
Child_Report_Father_Class_1970 = 5, Craftsmen	-0.00744 (0.00334)
Child_Report_Father_Class_1970 = 6, Operatives	-0.0776 (0.00389)
Child_Report_Father_Class_1970 = 7, Transport equipment	0.0551 (0.00450)
Child_Report_Father_Class_1970 = 8, laborers	-0.229 (0.00469)
Child_Report_Father_Class_1970 = 9, Farmers	-0.277 (0.00444)
Child_Report_Father_Class_1970 = 10, Service workers	-0.0380 (0.00507)
Father_Age17_Dummies = 1	-0.676 (0.00443)
Father_Age17_Dummies = 2	-0.355 (0.00379)
Father_Age17_Dummies = 3	-0.228 (0.00367)
Father_Age17_Dummies = 4	-0.0877 (0.00387)
Father_Age17_Dummies = 6	0.0219 (0.00402)

Father_Age17_Dummies = 7	-0.0647 (0.00396)
Father_Age17_Dummies = 8	0.0991 (0.00481)
Father_Age17_Dummies = 9	-0.643 (0.00633)
Constant	10.58 (0.0142)
Observations	489,837
R-squared	0.258

Model M3a. Time-average earnings as the first-stage dependent variable. Father's own reports of Z characteristics

VARIABLES	Beta (SE)
Father_Race = 2, Black	-0.238 (0.00171)
Father_Race = 3, American Indian	-0.294 (0.00704)
Father_Race = 4, Asian	0.00442 (0.00914)
Father_Race = 5, Pacific Islander	-0.234 (0.0195)
Father_Race = 7, Other / Unknown	0.0336 (0.00283)
Father_Report_Father_Ed = 2, Grades 6 - 8	0.327 (0.00601)
Father_Report_Father_Ed = 3, Grades 9 - 11	0.462 (0.00570)
Father_Report_Father_Ed = 4, Grade 12 (HS completion)	0.593 (0.00555)
Father_Report_Father_Ed = 5, Some college / associates degree	0.683 (0.00562)
Father_Report_Father_Ed = 6, College degree	0.934 (0.00579)
Father_Report_Father_Ed = 7, Advanced college degree	1.014 (0.00582)
Father_Report_Class_Age_15 = 2, Managers and administrators	0.00333 (0.00203)
Father_Report_Class_Age_15 = 3, Sales workers	-0.0113 (0.00341)
Father_Report_Class_Age_15 = 4, Clerical	-0.207 (0.00364)
Father_Report_Class_Age_15 = 5, Craftsmen	-0.151 (0.00226)
Father_Report_Class_Age_15 = 6, Operatives	-0.264 (0.00287)
Father_Report_Class_Age_15 = 7, Transport equipment	-0.273 (0.00291)
Father_Report_Class_Age_15 = 8, laborers	-0.382 (0.00365)
Father_Report_Class_Age_15 = 9, Farmers	-0.683 (0.00769)
Father_Report_Class_Age_15 = 10, Service workers	-0.212 (0.00325)
Father_Report_Class_Age_15 = 99, Unknown	-0.0704 (0.00416)
Father_Report_INDUSTRY = 2, Mining	0.0346 (0.00867)
Father_Report_INDUSTRY = 3, Construction	0.0214 (0.00725)
Father_Report_INDUSTRY = 4, Manufacturing	0.0592 (0.00708)
Father_Report_INDUSTRY = 5, Transport and communication	0.0859

Father_Report_INDUSTRY = 6, Wholesale and retail	(0.00724) -0.120
Father_Report_INDUSTRY = 7, Finance	(0.00723) 0.0705
Father_Report_INDUSTRY = 8, Business services	(0.00772) -0.276
Father_Report_INDUSTRY = 9, Personal services	(0.00768) -0.171
Father_Report_INDUSTRY = 10, Entertainment	(0.00875) 0.149
Father_Report_INDUSTRY = 11, Professional services	(0.0114) -0.0713
Father_Report_INDUSTRY = 12, Public administration	(0.00723) -0.0292
Father_Report_INDUSTRY = 13, Unknown	(0.00742) -0.491
Constant	(0.00823) 10.41
	(0.00888)
Observations	500,000
R-squared	0.481

Model M3b. Father's earnings in 1980 as the first-stage dependent variable. Father's own reports of Z characteristics

VARIABLES	Beta (SE)
Father_Race = 2, Black	-0.257 (0.00269)
Father_Race = 3, American Indian	-0.247 (0.0110)
Father_Race = 4, Asian	0.123 (0.0142)
Father_Race = 5, Pacific Islander	-0.372 (0.0302)
Father_Race = 7, Other / Unknown	0.0549 (0.00447)
Father_Report_Father_Ed = 2, Grades 6 - 8	0.363 (0.00942)
Father_Report_Father_Ed = 3, Grades 9 - 11	0.382 (0.00906)
Father_Report_Father_Ed = 4, Grade 12 (HS completion)	0.615 (0.00886)
Father_Report_Father_Ed = 5, Some college / associates degree	0.729 (0.00900)
Father_Report_Father_Ed = 6, College degree	0.878 (0.00925)
Father_Report_Father_Ed = 7, Advanced college degree	0.825 (0.00931)
Father_Report_Class_Age_15 = 2, Managers and administrators	0.0399 (0.00316)
Father_Report_Class_Age_15 = 3, Sales workers	-0.141 (0.00529)
Father_Report_Class_Age_15 = 4, Clerical	-0.283 (0.00568)
Father_Report_Class_Age_15 = 5, Craftsmen	-0.165 (0.00351)
Father_Report_Class_Age_15 = 6, Operatives	-0.322 (0.00447)
Father_Report_Class_Age_15 = 7, Transport equipment	-0.180 (0.00456)
Father_Report_Class_Age_15 = 8, laborers	-0.219 (0.00572)
Father_Report_Class_Age_15 = 9, Farmers	-0.351 (0.0119)
Father_Report_Class_Age_15 = 10, Service workers	-0.101 (0.00504)
Father_Report_Class_Age_15 = 99, Unknown	-0.248 (0.00645)
Father_Report_INDUSTRY = 2, Mining	0.630 (0.0136)
Father_Report_INDUSTRY = 3, Construction	0.576 (0.0113)
Father_Report_INDUSTRY = 4, Manufacturing	0.588 (0.0110)
Father_Report_INDUSTRY = 5, Transport and communication	0.703 (0.0112)
Father_Report_INDUSTRY = 6, Wholesale and retail	0.454 (0.0112)
Father_Report_INDUSTRY = 7, Finance	0.674 (0.0120)
Father_Report_INDUSTRY = 8, Business services	0.279

Father_Report_INDUSTRY = 9, Personal services	(0.0119) 0.244
Father_Report_INDUSTRY = 10, Entertainment	(0.0136) 0.887
Father_Report_INDUSTRY = 11, Professional services	(0.0177) 0.465
Father_Report_INDUSTRY = 12, Public administration	(0.0112) 0.571
Father_Report_INDUSTRY = 13, Unknown	(0.0115) 0.134
Father_Age8_Dummies = 1	(0.0128) -0.715
Father_Age8_Dummies = 2	(0.00420) -0.446
Father_Age8_Dummies = 3	(0.00362) -0.216
Father_Age8_Dummies = 4	(0.00348) -0.123
Father_Age8_Dummies = 6	(0.00370) -0.0289
Father_Age8_Dummies = 7	(0.00381) -0.113
Father_Age8_Dummies = 8	(0.00376) 0.0664
Father_Age8_Dummies = 9	(0.00450) -0.620
Constant	(0.00596) 10.03
	(0.0143)
Observations	498,987
R-squared	0.335

Model M3c. Time-average earnings as the first-stage dependent variable. Sons' recall of father's Z characteristics

VARIABLES	Beta (se)
Father_Race = 2, Black	-0.313 (0.00176)
Father_Race = 3, American Indian	-0.333 (0.00758)
Father_Race = 4, Asian	0.0589 (0.00947)
Father_Race = 5, Pacific Islander	-0.286 (0.0204)
Father_Race = 7, Other / Unknown	0.00331 (0.00307)
Child_Report_Father_Ed = 1, Grades 1 - 5	-0.129 (0.00975)
Child_Report_Father_Ed = 2, Grades 6 - 8	0.0571 (0.00889)
Child_Report_Father_Ed = 3, Grades 9 - 11	0.141 (0.00889)
Child_Report_Father_Ed = 4, Grade 12 (HS completion)	0.238 (0.00874)
Child_Report_Father_Ed = 5, Some college / associates degree	0.357 (0.00880)
Child_Report_Father_Ed = 6, College degree	0.670 (0.00887)
Child_Report_Father_Ed = 7, Advanced college degree	0.791 (0.00898)
Child_Report_Father_Ed = 10, 10	0.732 (0.0104)
Child_Report_Father_Class_1970 = 2, Managers and administrators	-0.00893 (0.00229)
Child_Report_Father_Class_1970 = 3, Sales workers	0.0129 (0.00290)
Child_Report_Father_Class_1970 = 4, Clerical	-0.00322 (0.00395)
Child_Report_Father_Class_1970 = 5, Craftsmen	-0.116 (0.00214)
Child_Report_Father_Class_1970 = 6, Operatives	-0.131 (0.00251)
Child_Report_Father_Class_1970 = 7, Transport equipment	-0.0981 (0.00292)
Child_Report_Father_Class_1970 = 8, laborers	-0.204 (0.00301)
Child_Report_Father_Class_1970 = 9, Farmers	-0.153 (0.00298)
Child_Report_Father_Class_1970 = 10, Service workers	-0.116 (0.00327)
Child_Report_INDUSTRY = 2, Mining	0.476 (0.00560)
Child_Report_INDUSTRY = 3, Construction	0.317 (0.00295)
Child_Report_INDUSTRY = 4, Manufacturing	0.436 (0.00260)
Child_Report_INDUSTRY = 5, Transport and communication	0.465 (0.00303)
Child_Report_INDUSTRY = 6, Wholesale and retail	0.349 (0.00293)

Child_Report_INDUSTRY = 7, Finance	0.374 (0.00399)
Child_Report_INDUSTRY = 8, Business services	0.181 (0.00361)
Child_Report_INDUSTRY = 9, Personal services	0.263 (0.00676)
Child_Report_INDUSTRY = 10, Entertainment	0.242 (0.00879)
Child_Report_INDUSTRY = 11, Professional services	0.285 (0.00320)
Child_Report_INDUSTRY = 12, Public administration	0.314 (0.00310)
Constant	10.32 (0.00897)
Observations	490,850
R-squared	0.420

Model M3d. Father's earnings in 1980 as the first-stage dependent variable. Sons' recall of father's Z characteristics

VARIABLES	Beta (SE)
Father_Race = 2, Black	-0.319 (0.00271)
Father_Race = 3, American Indian	-0.358 (0.0116)
Father_Race = 4, Asian	0.0936 (0.0144)
Father_Race = 5, Pacific Islander	-0.142 (0.0309)
Father_Race = 7, Other / Unknown	0.0238 (0.00474)
Child_Report_Father_Ed = 1, Grades 1 - 5	0.0228 (0.0149)
Child_Report_Father_Ed = 2, Grades 6 - 8	-0.150 (0.0135)
Child_Report_Father_Ed = 3, Grades 9 - 11	0.178 (0.0136)
Child_Report_Father_Ed = 4, Grade 12 (HS completion)	0.234 (0.0133)
Child_Report_Father_Ed = 5, Some college / associates degree	0.361 (0.0134)
Child_Report_Father_Ed = 6, College degree	0.557 (0.0135)
Child_Report_Father_Ed = 7, Advanced college degree	0.650 (0.0137)
Child_Report_Father_Ed = 10, 10	0.0210 (0.0158)
Child_Report_Father_Class_1970 = 2, Managers and administrators	0.0374 (0.00348)
Child_Report_Father_Class_1970 = 3, Sales workers	-0.0483 (0.00440)
Child_Report_Father_Class_1970 = 4, Clerical	0.00692 (0.00600)
Child_Report_Father_Class_1970 = 5, Craftsmen	-0.0258 (0.00327)
Child_Report_Father_Class_1970 = 6, Operatives	-0.0969 (0.00385)
Child_Report_Father_Class_1970 = 7, Transport equipment	-0.00843 (0.00445)
Child_Report_Father_Class_1970 = 8, laborers	-0.255 (0.00458)
Child_Report_Father_Class_1970 = 9, Farmers	-0.0789 (0.00455)
Child_Report_Father_Class_1970 = 10, Service workers	-0.0748 (0.00498)
Child_Report_INDUSTRY = 2, Mining	0.699 (0.00878)
Child_Report_INDUSTRY = 3, Construction	0.511 (0.00450)
Child_Report_INDUSTRY = 4, Manufacturing	0.594 (0.00395)
Child_Report_INDUSTRY = 5, Transport and communication	0.682 (0.00462)
Child_Report_INDUSTRY = 6, Wholesale and retail	0.530 (0.00446)

Child_Report_INDUSTRY = 7, Finance	0.487 (0.00608)
Child_Report_INDUSTRY = 8, Business services	0.365 (0.00549)
Child_Report_INDUSTRY = 9, Personal services	0.159 (0.0103)
Child_Report_INDUSTRY = 10, Entertainment	0.502 (0.0133)
Child_Report_INDUSTRY = 11, Professional services	0.433 (0.00487)
Child_Report_INDUSTRY = 12, Public administration	0.579 (0.00471)
Father_Age18_Dummies = 1	-0.677 (0.00433)
Father_Age18_Dummies = 2	-0.353 (0.00371)
Father_Age18_Dummies = 3	-0.241 (0.00360)
Father_Age18_Dummies = 4	-0.0977 (0.00379)
Father_Age18_Dummies = 6	-0.00825 (0.00393)
Father_Age18_Dummies = 7	-0.0903 (0.00389)
Father_Age18_Dummies = 8	0.0943 (0.00470)
Father_Age18_Dummies = 9	-0.595 (0.00618)
Constant	10.28 (0.0140)
Observations	489,837
R-squared	0.301

Model M4a. Time-average earnings as the first-stage dependent variable. Father's own reports of Z characteristics

VARIABLES	Beta (SE)
Father_Race = 2, Black	-0.176 (0.00165)
Father_Race = 3, American Indian	-0.262 (0.00600)
Father_Race = 4, Asian	-0.201 (0.0109)
Father_Race = 5, Pacific Islander	0.131 (0.0172)
Father_Race = 7, Other / Unknown	0.0284 (0.00264)
Father_Report_Father_Ed = 2, Grades 6 - 8	0.278 (0.00544)
Father_Report_Father_Ed = 3, Grades 9 - 11	0.351 (0.00516)
Father_Report_Father_Ed = 4, Grade 12 (HS completion)	0.483 (0.00511)
Father_Report_Father_Ed = 5, Some college / associates degree	0.545 (0.00519)
Father_Report_Father_Ed = 6, College degree	0.772 (0.00534)
Father_Report_Father_Ed = 7, Advanced college degree	0.872 (0.00543)
Father_Report_Occ_Age_15 = 1	0.550 (0.00728)
Father_Report_Occ_Age_15 = 2	0.491 (0.0124)
Father_Report_Occ_Age_15 = 3	0.213 (0.0105)
Father_Report_Occ_Age_15 = 4	0.408 (0.00881)
Father_Report_Occ_Age_15 = 5	0.774 (0.0126)
Father_Report_Occ_Age_15 = 6	0.569 (0.0158)
Father_Report_Occ_Age_15 = 10	0.679 (0.00960)
Father_Report_Occ_Age_15 = 11	0.580 (0.00872)
Father_Report_Occ_Age_15 = 12	0.543 (0.00794)
Father_Report_Occ_Age_15 = 13	0.486 (0.00758)
Father_Report_Occ_Age_15 = 14	0.598 (0.00715)
Father_Report_Occ_Age_15 = 22	0.189 (0.0121)
Father_Report_Occ_Age_15 = 25	0.0827 (0.0120)
Father_Report_Occ_Age_15 = 30	0.719 (0.0165)
Father_Report_Occ_Age_15 = 31	1.060 (0.00884)
Father_Report_Occ_Age_15 = 44	0.737 (0.0157)

Father_Report_Occ_Age_15 = 45	0.0674 (0.0168)
Father_Report_Occ_Age_15 = 54	0.493 (0.0165)
Father_Report_Occ_Age_15 = 55	0.535 (0.0106)
Father_Report_Occ_Age_15 = 56	0.441 (0.00768)
Father_Report_Occ_Age_15 = 62	0.334 (0.0122)
Father_Report_Occ_Age_15 = 63	0.568 (0.0122)
Father_Report_Occ_Age_15 = 64	0.369 (0.00902)
Father_Report_Occ_Age_15 = 65	1.587 (0.00827)
Father_Report_Occ_Age_15 = 72	0.621 (0.0177)
Father_Report_Occ_Age_15 = 75	0.472 (0.0122)
Father_Report_Occ_Age_15 = 80	0.219 (0.0119)
Father_Report_Occ_Age_15 = 83	0.487 (0.0160)
Father_Report_Occ_Age_15 = 85	-0.614 (0.0164)
Father_Report_Occ_Age_15 = 86	-0.105 (0.00811)
Father_Report_Occ_Age_15 = 91	0.511 (0.0156)
Father_Report_Occ_Age_15 = 93	0.296 (0.0193)
Father_Report_Occ_Age_15 = 100	0.0950 (0.0123)
Father_Report_Occ_Age_15 = 111	0.612 (0.0161)
Father_Report_Occ_Age_15 = 112	0.471 (0.0108)
Father_Report_Occ_Age_15 = 115	-0.146 (0.0162)
Father_Report_Occ_Age_15 = 123	0.291 (0.0124)
Father_Report_Occ_Age_15 = 142	-0.00561 (0.0123)
Father_Report_Occ_Age_15 = 144	0.104 (0.00746)
Father_Report_Occ_Age_15 = 152	0.463 (0.0122)
Father_Report_Occ_Age_15 = 153	0.443 (0.00903)
Father_Report_Occ_Age_15 = 155	0.966 (0.0121)
Father_Report_Occ_Age_15 = 162	0.661 (0.0164)
Father_Report_Occ_Age_15 = 163	0.0490 (0.0158)
Father_Report_Occ_Age_15 = 171	0.271 (0.0107)
Father_Report_Occ_Age_15 = 173	0.0502 (0.0105)

Father_Report_Occ_Age_15 = 174	0.0783 (0.00889)
Father_Report_Occ_Age_15 = 183	0.601 (0.0121)
Father_Report_Occ_Age_15 = 184	1.376 (0.0108)
Father_Report_Occ_Age_15 = 185	0.817 (0.0163)
Father_Report_Occ_Age_15 = 190	0.522 (0.0122)
Father_Report_Occ_Age_15 = 191	0.0753 (0.0166)
Father_Report_Occ_Age_15 = 192	0.457 (0.0163)
Father_Report_Occ_Age_15 = 194	0.410 (0.0161)
Father_Report_Occ_Age_15 = 195	0.646 (0.0162)
Father_Report_Occ_Age_15 = 202	0.199 (0.00827)
Father_Report_Occ_Age_15 = 205	0.702 (0.0167)
Father_Report_Occ_Age_15 = 210	0.258 (0.0128)
Father_Report_Occ_Age_15 = 212	0.449 (0.00984)
Father_Report_Occ_Age_15 = 213	0.246 (0.0161)
Father_Report_Occ_Age_15 = 215	0.470 (0.0169)
Father_Report_Occ_Age_15 = 216	0.0511 (0.0121)
Father_Report_Occ_Age_15 = 220	0.428 (0.00970)
Father_Report_Occ_Age_15 = 222	0.214 (0.0123)
Father_Report_Occ_Age_15 = 223	0.188 (0.0121)
Father_Report_Occ_Age_15 = 225	0.344 (0.0107)
Father_Report_Occ_Age_15 = 226	0.727 (0.0127)
Father_Report_Occ_Age_15 = 230	1.239 (0.0162)
Father_Report_Occ_Age_15 = 231	0.552 (0.00800)
Father_Report_Occ_Age_15 = 233	0.722 (0.00889)
Father_Report_Occ_Age_15 = 235	0.682 (0.00979)
Father_Report_Occ_Age_15 = 240	0.271 (0.00824)
Father_Report_Occ_Age_15 = 245	0.512 (0.00625)
Father_Report_Occ_Age_15 = 260	-0.416 (0.0162)
Father_Report_Occ_Age_15 = 265	0.440 (0.00852)
Father_Report_Occ_Age_15 = 270	0.318 (0.0126)

Father_Report_Occ_Age_15 = 271	0.506 (0.0111)
Father_Report_Occ_Age_15 = 281	0.543 (0.00920)
Father_Report_Occ_Age_15 = 282	0.606 (0.00730)
Father_Report_Occ_Age_15 = 283	0.526 (0.0107)
Father_Report_Occ_Age_15 = 284	0.298 (0.00876)
Father_Report_Occ_Age_15 = 285	0.468 (0.0158)
Father_Report_Occ_Age_15 = 303	0.0606 (0.0161)
Father_Report_Occ_Age_15 = 305	0.355 (0.0162)
Father_Report_Occ_Age_15 = 312	0.456 (0.0161)
Father_Report_Occ_Age_15 = 321	-0.0784 (0.0165)
Father_Report_Occ_Age_15 = 323	0.336 (0.0111)
Father_Report_Occ_Age_15 = 331	0.352 (0.00851)
Father_Report_Occ_Age_15 = 334	0.468 (0.0159)
Father_Report_Occ_Age_15 = 343	0.833 (0.0112)
Father_Report_Occ_Age_15 = 374	0.173 (0.00860)
Father_Report_Occ_Age_15 = 381	0.0772 (0.00838)
Father_Report_Occ_Age_15 = 394	0.210 (0.0107)
Father_Report_Occ_Age_15 = 405	0.644 (0.0156)
Father_Report_Occ_Age_15 = 410	-0.0537 (0.0122)
Father_Report_Occ_Age_15 = 412	-0.258 (0.0129)
Father_Report_Occ_Age_15 = 413	-0.353 (0.0168)
Father_Report_Occ_Age_15 = 415	0.211 (0.00753)
Father_Report_Occ_Age_15 = 420	0.395 (0.0156)
Father_Report_Occ_Age_15 = 421	0.449 (0.0164)
Father_Report_Occ_Age_15 = 424	0.0705 (0.0123)
Father_Report_Occ_Age_15 = 426	0.194 (0.0122)
Father_Report_Occ_Age_15 = 430	0.538 (0.00755)
Father_Report_Occ_Age_15 = 433	0.715 (0.0107)
Father_Report_Occ_Age_15 = 436	0.187 (0.00796)
Father_Report_Occ_Age_15 = 441	0.430 (0.00671)

Father_Report_Occ_Age_15 = 452	-0.0471 (0.0120)
Father_Report_Occ_Age_15 = 454	0.0495 (0.0163)
Father_Report_Occ_Age_15 = 461	0.216 (0.00794)
Father_Report_Occ_Age_15 = 462	-0.404 (0.0163)
Father_Report_Occ_Age_15 = 470	0.393 (0.00954)
Father_Report_Occ_Age_15 = 471	0.540 (0.00830)
Father_Report_Occ_Age_15 = 473	0.0749 (0.00713)
Father_Report_Occ_Age_15 = 474	0.168 (0.0166)
Father_Report_Occ_Age_15 = 481	0.180 (0.00674)
Father_Report_Occ_Age_15 = 482	0.550 (0.0161)
Father_Report_Occ_Age_15 = 483	0.0417 (0.0162)
Father_Report_Occ_Age_15 = 484	0.421 (0.0123)
Father_Report_Occ_Age_15 = 492	0.148 (0.00870)
Father_Report_Occ_Age_15 = 495	0.510 (0.0159)
Father_Report_Occ_Age_15 = 502	0.627 (0.00864)
Father_Report_Occ_Age_15 = 510	0.247 (0.00858)
Father_Report_Occ_Age_15 = 522	0.391 (0.0159)
Father_Report_Occ_Age_15 = 525	0.556 (0.0158)
Father_Report_Occ_Age_15 = 530	0.573 (0.0164)
Father_Report_Occ_Age_15 = 534	-0.797 (0.0160)
Father_Report_Occ_Age_15 = 535	-0.171 (0.0160)
Father_Report_Occ_Age_15 = 540	0.473 (0.0159)
Father_Report_Occ_Age_15 = 545	0.498 (0.0105)
Father_Report_Occ_Age_15 = 550	0.723 (0.0121)
Father_Report_Occ_Age_15 = 552	0.465 (0.00850)
Father_Report_Occ_Age_15 = 561	0.341 (0.0163)
Father_Report_Occ_Age_15 = 600	0.513 (0.00790)
Father_Report_Occ_Age_15 = 602	0.0786 (0.00791)
Father_Report_Occ_Age_15 = 610	0.198 (0.0107)
Father_Report_Occ_Age_15 = 611	0.254 (0.0159)

Father_Report_Occ_Age_15 = 612	-0.876 (0.0165)
Father_Report_Occ_Age_15 = 614	-0.237 (0.0169)
Father_Report_Occ_Age_15 = 621	0.204 (0.0161)
Father_Report_Occ_Age_15 = 623	0.316 (0.0109)
Father_Report_Occ_Age_15 = 631	0.443 (0.00872)
Father_Report_Occ_Age_15 = 633	0.561 (0.00990)
Father_Report_Occ_Age_15 = 635	0.127 (0.0158)
Father_Report_Occ_Age_15 = 640	-0.0837 (0.0119)
Father_Report_Occ_Age_15 = 641	0.0856 (0.00902)
Father_Report_Occ_Age_15 = 642	0.208 (0.0123)
Father_Report_Occ_Age_15 = 643	0.242 (0.00826)
Father_Report_Occ_Age_15 = 644	0.0754 (0.0170)
Father_Report_Occ_Age_15 = 650	0.0907 (0.0165)
Father_Report_Occ_Age_15 = 651	0.202 (0.0158)
Father_Report_Occ_Age_15 = 652	0.192 (0.0105)
Father_Report_Occ_Age_15 = 653	0.573 (0.0154)
Father_Report_Occ_Age_15 = 662	0.327 (0.0155)
Father_Report_Occ_Age_15 = 664	-0.412 (0.0123)
Father_Report_Occ_Age_15 = 666	0.162 (0.0123)
Father_Report_Occ_Age_15 = 673	0.0316 (0.0164)
Father_Report_Occ_Age_15 = 674	-0.304 (0.0163)
Father_Report_Occ_Age_15 = 680	0.0744 (0.00900)
Father_Report_Occ_Age_15 = 690	0.191 (0.00790)
Father_Report_Occ_Age_15 = 692	0.130 (0.0104)
Father_Report_Occ_Age_15 = 694	0.152 (0.00867)
Father_Report_Occ_Age_15 = 695	0.272 (0.0107)
Father_Report_Occ_Age_15 = 703	-0.186 (0.00918)
Father_Report_Occ_Age_15 = 705	0.168 (0.00747)
Father_Report_Occ_Age_15 = 706	0.209 (0.00796)
Father_Report_Occ_Age_15 = 710	0.286 (0.0159)

Father_Report_Occ_Age_15 = 715	0.227 (0.00649)
Father_Report_Occ_Age_15 = 740	0.269 (0.0162)
Father_Report_Occ_Age_15 = 750	-0.215 (0.0159)
Father_Report_Occ_Age_15 = 751	0.304 (0.00826)
Father_Report_Occ_Age_15 = 753	0.221 (0.00768)
Father_Report_Occ_Age_15 = 755	-0.116 (0.0116)
Father_Report_Occ_Age_15 = 761	-0.456 (0.00813)
Father_Report_Occ_Age_15 = 762	-0.0939 (0.0118)
Father_Report_Occ_Age_15 = 770	0.365 (0.0122)
Father_Report_Occ_Age_15 = 780	0.301 (0.0120)
Father_Report_Occ_Age_15 = 801	-0.143 (0.00970)
Father_Report_Occ_Age_15 = 822	-0.536 (0.0106)
Father_Report_Occ_Age_15 = 824	-0.643 (0.0179)
Father_Report_Occ_Age_15 = 902	0.138 (0.0108)
Father_Report_Occ_Age_15 = 903	-0.0113 (0.00674)
Father_Report_Occ_Age_15 = 910	0.170 (0.0109)
Father_Report_Occ_Age_15 = 912	0.511 (0.0170)
Father_Report_Occ_Age_15 = 925	-0.325 (0.0123)
Father_Report_Occ_Age_15 = 926	0.418 (0.0121)
Father_Report_Occ_Age_15 = 932, omitted	-
Father_Report_Occ_Age_15 = 950	0.494 (0.0162)
Father_Report_Occ_Age_15 = 961	0.437 (0.00877)
Father_Report_Occ_Age_15 = 962	0.0739 (0.00841)
Father_Report_Occ_Age_15 = 964	0.528 (0.00765)
Father_Report_Occ_Age_15 = 999	0.510 (0.00911)
Father_Report_INDUSTRY = 2, Mining	0.199 (0.00924)
Father_Report_INDUSTRY = 3, Construction	0.0238 (0.00744)
Father_Report_INDUSTRY = 4, Manufacturing	0.0620 (0.00718)
Father_Report_INDUSTRY = 5, Transport and communication	0.0754 (0.00736)
Father_Report_INDUSTRY = 6, Wholesale and retail	-0.160 (0.00735)

Father_Report_INDUSTRY = 7, Finance	0.140 (0.00811)
Father_Report_INDUSTRY = 8, Business services	-0.196 (0.00802)
Father_Report_INDUSTRY = 9, Personal services	-0.163 (0.00867)
Father_Report_INDUSTRY = 10, Entertainment	-0.0892 (0.0130)
Father_Report_INDUSTRY = 11, Professional services	0.00443 (0.00757)
Father_Report_INDUSTRY = 12, Public administration	-0.142 (0.00760)
Father_Report_INDUSTRY = 13, Unknown	-0.185 (0.00910)
Constant	10.06 (0.0103)
Observations	500,000
R-squared	0.656

Model M4b. Father's earnings in 1980 as the first-stage dependent variable. Father's own reports of Z characteristics

VARIABLES	Beta (SE)
Father_Race = 2, Black	-0.164 (0.00272)
Father_Race = 3, American Indian	-0.376 (0.00991)
Father_Race = 4, Asian	-0.420 (0.0180)
Father_Race = 5, Pacific Islander	0.351 (0.0281)
Father_Race = 7, Other / Unknown	0.0607 (0.00441)
Father_Report_Father_Ed = 2, Grades 6 - 8	0.249 (0.00902)
Father_Report_Father_Ed = 3, Grades 9 - 11	0.197 (0.00867)
Father_Report_Father_Ed = 4, Grade 12 (HS completion)	0.408 (0.00866)
Father_Report_Father_Ed = 5, Some college / associates degree	0.455 (0.00882)
Father_Report_Father_Ed = 6, College degree	0.561 (0.00906)
Father_Report_Father_Ed = 7, Advanced college degree	0.566 (0.00923)
Father_Report_Occ_Age_15 = 1	1.002 (0.0119)
Father_Report_Occ_Age_15 = 2	0.972 (0.0203)
Father_Report_Occ_Age_15 = 3	0.557 (0.0173)
Father_Report_Occ_Age_15 = 4	0.891 (0.0144)
Father_Report_Occ_Age_15 = 5	1.006 (0.0206)
Father_Report_Occ_Age_15 = 6	0.797 (0.0259)
Father_Report_Occ_Age_15 = 10	1.075 (0.0157)
Father_Report_Occ_Age_15 = 11	1.388 (0.0144)
Father_Report_Occ_Age_15 = 12	0.917 (0.0130)
Father_Report_Occ_Age_15 = 13	1.079 (0.0124)
Father_Report_Occ_Age_15 = 14	1.181 (0.0118)
Father_Report_Occ_Age_15 = 22	0.652 (0.0198)
Father_Report_Occ_Age_15 = 25	0.534 (0.0197)
Father_Report_Occ_Age_15 = 30	0.587 (0.0270)
Father_Report_Occ_Age_15 = 31	0.844 (0.0145)
Father_Report_Occ_Age_15 = 44	1.003 (0.0258)
Father_Report_Occ_Age_15 = 45	1.186

Father_Report_Occ_Age_15 = 54	(0.0278) 0.835
Father_Report_Occ_Age_15 = 55	(0.0270) 0.606
Father_Report_Occ_Age_15 = 56	(0.0174) 0.692
Father_Report_Occ_Age_15 = 62	(0.0126) 0.869
Father_Report_Occ_Age_15 = 63	(0.0201) 1.038
Father_Report_Occ_Age_15 = 64	(0.0202) 1.055
Father_Report_Occ_Age_15 = 65	(0.0148) 1.245
Father_Report_Occ_Age_15 = 72	(0.0136) -3.018
Father_Report_Occ_Age_15 = 75	(0.0291) 0.950
Father_Report_Occ_Age_15 = 80	(0.0200) 0.615
Father_Report_Occ_Age_15 = 83	(0.0195) 0.159
Father_Report_Occ_Age_15 = 85	(0.0263) 0.731
Father_Report_Occ_Age_15 = 86	(0.0268) 0.741
Father_Report_Occ_Age_15 = 91	(0.0134) 0.387
Father_Report_Occ_Age_15 = 93	(0.0255) 1.369
Father_Report_Occ_Age_15 = 100	(0.0318) 0.736
Father_Report_Occ_Age_15 = 111	(0.0202) 1.964
Father_Report_Occ_Age_15 = 112	(0.0269) 0.856
Father_Report_Occ_Age_15 = 115	(0.0178) 0.486
Father_Report_Occ_Age_15 = 123	(0.0266) 1.074
Father_Report_Occ_Age_15 = 142	(0.0204) 0.557
Father_Report_Occ_Age_15 = 144	(0.0202) 0.544
Father_Report_Occ_Age_15 = 152	(0.0123) 0.631
Father_Report_Occ_Age_15 = 153	(0.0201) 0.899
Father_Report_Occ_Age_15 = 155	(0.0148) 1.236
Father_Report_Occ_Age_15 = 162	(0.0198) 1.076
Father_Report_Occ_Age_15 = 163	(0.0269) 0.943
Father_Report_Occ_Age_15 = 171	(0.0260) 0.743
Father_Report_Occ_Age_15 = 173	(0.0175) 1.013
Father_Report_Occ_Age_15 = 174	(0.0172) 0.617

Father_Report_Occ_Age_15 = 183	(0.0146) 1.006
Father_Report_Occ_Age_15 = 184	(0.0198) 1.941
Father_Report_Occ_Age_15 = 185	(0.0178) 1.080
Father_Report_Occ_Age_15 = 190	(0.0268) 1.145
Father_Report_Occ_Age_15 = 191	(0.0200) 0.393
Father_Report_Occ_Age_15 = 192	(0.0271) 0.905
Father_Report_Occ_Age_15 = 194	(0.0267) 0.530
Father_Report_Occ_Age_15 = 195	(0.0264) 1.166
Father_Report_Occ_Age_15 = 202	(0.0265) 0.447
Father_Report_Occ_Age_15 = 205	(0.0136) 1.571
Father_Report_Occ_Age_15 = 210	(0.0277) 0.754
Father_Report_Occ_Age_15 = 212	(0.0209) 0.756
Father_Report_Occ_Age_15 = 213	(0.0161) 0.0442
Father_Report_Occ_Age_15 = 215	(0.0265) 1.002
Father_Report_Occ_Age_15 = 216	(0.0276) 0.344
Father_Report_Occ_Age_15 = 220	(0.0199) 0.726
Father_Report_Occ_Age_15 = 222	(0.0160) 0.837
Father_Report_Occ_Age_15 = 223	(0.0201) 0.791
Father_Report_Occ_Age_15 = 225	(0.0198) 0.697
Father_Report_Occ_Age_15 = 226	(0.0175) 1.240
Father_Report_Occ_Age_15 = 230	(0.0208) 1.427
Father_Report_Occ_Age_15 = 231	(0.0265) 1.160
Father_Report_Occ_Age_15 = 233	(0.0131) 1.054
Father_Report_Occ_Age_15 = 235	(0.0146) 1.356
Father_Report_Occ_Age_15 = 240	(0.0161) 0.938
Father_Report_Occ_Age_15 = 245	(0.0136) 0.967
Father_Report_Occ_Age_15 = 260	(0.0102) 0.279
Father_Report_Occ_Age_15 = 265	(0.0265) 1.147
Father_Report_Occ_Age_15 = 270	(0.0140) 0.890
Father_Report_Occ_Age_15 = 271	(0.0206) 0.254

Father_Report_Occ_Age_15 = 281	(0.0182) 1.057
Father_Report_Occ_Age_15 = 282	(0.0151) 0.901
Father_Report_Occ_Age_15 = 283	(0.0119) 1.149
Father_Report_Occ_Age_15 = 284	(0.0176) -0.296
Father_Report_Occ_Age_15 = 285	(0.0143) 0.728
Father_Report_Occ_Age_15 = 303	(0.0259) 1.333
Father_Report_Occ_Age_15 = 305	(0.0265) 0.436
Father_Report_Occ_Age_15 = 312	(0.0265) 2.161
Father_Report_Occ_Age_15 = 321	(0.0268) 1.130
Father_Report_Occ_Age_15 = 323	(0.0269) 0.632
Father_Report_Occ_Age_15 = 331	(0.0182) 0.516
Father_Report_Occ_Age_15 = 334	(0.0140) 1.096
Father_Report_Occ_Age_15 = 343	(0.0261) 1.160
Father_Report_Occ_Age_15 = 374	(0.0185) 0.293
Father_Report_Occ_Age_15 = 381	(0.0141) 0.00862
Father_Report_Occ_Age_15 = 394	(0.0138) 0.666
Father_Report_Occ_Age_15 = 405	(0.0176) 0.593
Father_Report_Occ_Age_15 = 410	(0.0258) 0.388
Father_Report_Occ_Age_15 = 412	(0.0199) 0.310
Father_Report_Occ_Age_15 = 413	(0.0213) 0.582
Father_Report_Occ_Age_15 = 415	(0.0275) 0.859
Father_Report_Occ_Age_15 = 420	(0.0124) 0.797
Father_Report_Occ_Age_15 = 421	(0.0256) 1.420
Father_Report_Occ_Age_15 = 424	(0.0268) -0.222
Father_Report_Occ_Age_15 = 426	(0.0201) 0.438
Father_Report_Occ_Age_15 = 430	(0.0200) 1.025
Father_Report_Occ_Age_15 = 433	(0.0124) 0.967
Father_Report_Occ_Age_15 = 436	(0.0175) 0.586
Father_Report_Occ_Age_15 = 441	(0.0131) 0.747
Father_Report_Occ_Age_15 = 452	(0.0110) 0.650

Father_Report_Occ_Age_15 = 454	(0.0197) 0.433
Father_Report_Occ_Age_15 = 461	(0.0269) 0.602
Father_Report_Occ_Age_15 = 462	(0.0130) 0.454
Father_Report_Occ_Age_15 = 470	(0.0267) 0.819
Father_Report_Occ_Age_15 = 471	(0.0156) 1.053
Father_Report_Occ_Age_15 = 473	(0.0136) 0.371
Father_Report_Occ_Age_15 = 474	(0.0117) 0.653
Father_Report_Occ_Age_15 = 481	(0.0271) 0.514
Father_Report_Occ_Age_15 = 482	(0.0110) 0.880
Father_Report_Occ_Age_15 = 483	(0.0263) 0.0963
Father_Report_Occ_Age_15 = 484	(0.0266) 0.734
Father_Report_Occ_Age_15 = 492	(0.0203) 0.227
Father_Report_Occ_Age_15 = 495	(0.0143) 0.770
Father_Report_Occ_Age_15 = 502	(0.0260) 1.156
Father_Report_Occ_Age_15 = 510	(0.0141) 0.748
Father_Report_Occ_Age_15 = 522	(0.0141) 0.333
Father_Report_Occ_Age_15 = 525	(0.0260) 0.964
Father_Report_Occ_Age_15 = 530	(0.0259) 0.713
Father_Report_Occ_Age_15 = 534	(0.0268) -0.829
Father_Report_Occ_Age_15 = 535	(0.0262) 0.209
Father_Report_Occ_Age_15 = 540	(0.0262) 1.003
Father_Report_Occ_Age_15 = 545	(0.0260) 0.825
Father_Report_Occ_Age_15 = 550	(0.0174) 1.355
Father_Report_Occ_Age_15 = 552	(0.0198) 0.962
Father_Report_Occ_Age_15 = 561	(0.0139) -0.230
Father_Report_Occ_Age_15 = 600	(0.0272) 0.510
Father_Report_Occ_Age_15 = 602	(0.0129) 0.736
Father_Report_Occ_Age_15 = 610	(0.0130) 0.679
Father_Report_Occ_Age_15 = 611	(0.0175) -0.0179
Father_Report_Occ_Age_15 = 612	(0.0260) -0.925

Father_Report_Occ_Age_15 = 614	(0.0271) 0.243
Father_Report_Occ_Age_15 = 621	(0.0277) 0.506
Father_Report_Occ_Age_15 = 623	(0.0265) 0.877
Father_Report_Occ_Age_15 = 631	(0.0178) 0.655
Father_Report_Occ_Age_15 = 633	(0.0143) 0.949
Father_Report_Occ_Age_15 = 635	(0.0162) -2.214
Father_Report_Occ_Age_15 = 640	(0.0259) 0.0990
Father_Report_Occ_Age_15 = 641	(0.0218) 0.470
Father_Report_Occ_Age_15 = 642	(0.0149) 0.773
Father_Report_Occ_Age_15 = 643	(0.0202) 0.434
Father_Report_Occ_Age_15 = 644	(0.0135) 0.702
Father_Report_Occ_Age_15 = 650	(0.0279) 0.578
Father_Report_Occ_Age_15 = 651	(0.0270) 0.933
Father_Report_Occ_Age_15 = 652	(0.0259) 0.672
Father_Report_Occ_Age_15 = 653	(0.0172) 1.731
Father_Report_Occ_Age_15 = 662	(0.0256) 0.794
Father_Report_Occ_Age_15 = 664	(0.0254) -0.230
Father_Report_Occ_Age_15 = 666	(0.0202) -0.815
Father_Report_Occ_Age_15 = 673	(0.0202) 0.397
Father_Report_Occ_Age_15 = 674	(0.0270) -0.532
Father_Report_Occ_Age_15 = 680	(0.0267) 0.524
Father_Report_Occ_Age_15 = 690	(0.0148) 0.623
Father_Report_Occ_Age_15 = 692	(0.0129) -0.519
Father_Report_Occ_Age_15 = 694	(0.0171) 0.518
Father_Report_Occ_Age_15 = 695	(0.0143) 0.619
Father_Report_Occ_Age_15 = 703	(0.0175) 0.391
Father_Report_Occ_Age_15 = 705	(0.0151) 0.709
Father_Report_Occ_Age_15 = 706	(0.0123) 0.674
Father_Report_Occ_Age_15 = 710	(0.0131) 1.425
Father_Report_Occ_Age_15 = 715	(0.0263) 0.614

Father_Report_Occ_Age_15 = 740	(0.0107) 0.674
Father_Report_Occ_Age_15 = 751	(0.0265) 0.742
Father_Report_Occ_Age_15 = 753	(0.0135) 0.633
Father_Report_Occ_Age_15 = 755	(0.0126) 0.0120
Father_Report_Occ_Age_15 = 761	(0.0190) 0.233
Father_Report_Occ_Age_15 = 762	(0.0134) 0.858
Father_Report_Occ_Age_15 = 770	(0.0194) 0.482
Father_Report_Occ_Age_15 = 780	(0.0200) 0.761
Father_Report_Occ_Age_15 = 801	(0.0198) -0.177
Father_Report_Occ_Age_15 = 822	(0.0159) -0.606
Father_Report_Occ_Age_15 = 824	(0.0174) 0.270
Father_Report_Occ_Age_15 = 902	(0.0294) 0.278
Father_Report_Occ_Age_15 = 903	(0.0177) 0.513
Father_Report_Occ_Age_15 = 910	(0.0110) 0.839
Father_Report_Occ_Age_15 = 912	(0.0178) 2.077
Father_Report_Occ_Age_15 = 925	(0.0279) 0.617
Father_Report_Occ_Age_15 = 926	(0.0202) 0.951
Father_Report_Occ_Age_15 = 932, omitted	(0.0199) -
Father_Report_Occ_Age_15 = 950	0.694 (0.0267)
Father_Report_Occ_Age_15 = 961	0.714 (0.0143)
Father_Report_Occ_Age_15 = 962	0.523 (0.0138)
Father_Report_Occ_Age_15 = 964	0.731 (0.0125)
Father_Report_Occ_Age_15 = 999	-0.593 (0.0150)
Father_Report_INDUSTRY = 2, Mining	-0.0277 (0.0152)
Father_Report_INDUSTRY = 3, Construction	-0.254 (0.0123)
Father_Report_INDUSTRY = 4, Manufacturing	-0.134 (0.0118)
Father_Report_INDUSTRY = 5, Transport and communication	-0.0734 (0.0122)
Father_Report_INDUSTRY = 6, Wholesale and retail	-0.309 (0.0121)
Father_Report_INDUSTRY = 7, Finance	-0.0864 (0.0134)
Father_Report_INDUSTRY = 8, Business services	-0.382

Father_Report_INDUSTRY = 9, Personal services	(0.0132) -0.646
Father_Report_INDUSTRY = 10, Entertainment	(0.0143) 0.0233
Father_Report_INDUSTRY = 11, Professional services	(0.0213) -0.239
Father_Report_INDUSTRY = 12, Public administration	(0.0125) -0.0821
Father_Report_INDUSTRY = 13, Unknown	(0.0125) -0.109
Father_Age9_Dummies = 1	(0.0150) -0.689
Father_Age9_Dummies = 2	(0.00421) -0.421
Father_Age9_Dummies = 3	(0.00349) -0.158
Father_Age9_Dummies = 4	(0.00339) -0.110
Father_Age9_Dummies = 6	(0.00367) 0.00894
Father_Age9_Dummies = 7	(0.00373) -0.197
Father_Age9_Dummies = 8	(0.00362) 0.0992
Father_Age9_Dummies = 9	(0.00431) -0.827
Constant	(0.00607) 10.13
	(0.0172)
Observations	498,987
R-squared	0.506

Model M4c. Time-average earnings as the first-stage dependent variable. Sons' recall of father's Z characteristics

VARIABLES	Beta (SE)
Father_Race = 2, Black	-0.285 (0.00175)
Father_Race = 3, American Indian	-0.368 (0.00740)
Father_Race = 4, Asian	0.00176 (0.0119)
Father_Race = 5, Pacific Islander	-0.0936 (0.0195)
Father_Race = 7, Other / Unknown	0.0357 (0.00299)
Child_Report_Father_Ed = 1, Grades 1 - 5	-0.210 (0.00963)
Child_Report_Father_Ed = 2, Grades 6 - 8	-0.0432 (0.00881)
Child_Report_Father_Ed = 3, Grades 9 - 11	0.0260 (0.00882)
Child_Report_Father_Ed = 4, Grade 12 (HS completion)	0.111 (0.00865)
Child_Report_Father_Ed = 5, Some college / associates degree	0.215 (0.00871)
Child_Report_Father_Ed = 6, College degree	0.553 (0.00879)
Child_Report_Father_Ed = 7, Advanced college degree	0.699 (0.00888)
Child_Report_Father_Ed = 10, 10	0.685 (0.0105)
Child_Report_Father_Occ_1970 = 2	0.408 (0.0176)
Child_Report_Father_Occ_1970 = 3	-0.229 (0.0103)
Child_Report_Father_Occ_1970 = 4	-0.00641 (0.0108)
Child_Report_Father_Occ_1970 = 5	-0.123 (0.0109)
Child_Report_Father_Occ_1970 = 6	-0.185 (0.0109)
Child_Report_Father_Occ_1970 = 10	-0.202 (0.00906)
Child_Report_Father_Occ_1970 = 11	0.0282 (0.0110)
Child_Report_Father_Occ_1970 = 12	0.0102 (0.00778)
Child_Report_Father_Occ_1970 = 13	-0.0528 (0.0108)
Child_Report_Father_Occ_1970 = 14	0.00927 (0.00672)
Child_Report_Father_Occ_1970 = 23	0.146 (0.0132)
Child_Report_Father_Occ_1970 = 24	0.498 (0.0133)
Child_Report_Father_Occ_1970 = 31	0.163 (0.00698)
Child_Report_Father_Occ_1970 = 45	0.0644 (0.0112)

Child_Report_Father_Occ_1970 = 53	0.0555 (0.0136)
Child_Report_Father_Occ_1970 = 55	-0.426 (0.0187)
Child_Report_Father_Occ_1970 = 56	-0.0649 (0.00889)
Child_Report_Father_Occ_1970 = 62	-0.0633 (0.0109)
Child_Report_Father_Occ_1970 = 64	0.556 (0.0182)
Child_Report_Father_Occ_1970 = 65	-0.0567 (0.00724)
Child_Report_Father_Occ_1970 = 80	-0.486 (0.0177)
Child_Report_Father_Occ_1970 = 85	-0.250 (0.0133)
Child_Report_Father_Occ_1970 = 86	-0.178 (0.00712)
Child_Report_Father_Occ_1970 = 93	0.0854 (0.0181)
Child_Report_Father_Occ_1970 = 100	0.385 (0.0181)
Child_Report_Father_Occ_1970 = 111	0.370 (0.0182)
Child_Report_Father_Occ_1970 = 112	-0.0426 (0.0185)
Child_Report_Father_Occ_1970 = 123	0.903 (0.0184)
Child_Report_Father_Occ_1970 = 126	-0.149 (0.0180)
Child_Report_Father_Occ_1970 = 140	0.244 (0.0132)
Child_Report_Father_Occ_1970 = 142	-0.0272 (0.0129)
Child_Report_Father_Occ_1970 = 144	0.0740 (0.00782)
Child_Report_Father_Occ_1970 = 145	0.0249 (0.0182)
Child_Report_Father_Occ_1970 = 150	-0.157 (0.0134)
Child_Report_Father_Occ_1970 = 152	0.0222 (0.00928)
Child_Report_Father_Occ_1970 = 153	0.0845 (0.0133)
Child_Report_Father_Occ_1970 = 163	0.494 (0.0183)
Child_Report_Father_Occ_1970 = 174	-0.565 (0.0189)
Child_Report_Father_Occ_1970 = 183	0.485 (0.0132)
Child_Report_Father_Occ_1970 = 184	-0.550 (0.0191)
Child_Report_Father_Occ_1970 = 185	0.543 (0.0197)
Child_Report_Father_Occ_1970 = 190	0.0557 (0.0185)
Child_Report_Father_Occ_1970 = 191	-0.442 (0.0192)
Child_Report_Father_Occ_1970 = 192	-0.313 (0.0181)

Child_Report_Father_Occ_1970 = 195	-0.439 (0.0134)
Child_Report_Father_Occ_1970 = 202	-0.0741 (0.00667)
Child_Report_Father_Occ_1970 = 203	0.356 (0.0176)
Child_Report_Father_Occ_1970 = 211	-0.0305 (0.0130)
Child_Report_Father_Occ_1970 = 212	-0.377 (0.0181)
Child_Report_Father_Occ_1970 = 215	-0.183 (0.0181)
Child_Report_Father_Occ_1970 = 220	-0.217 (0.0107)
Child_Report_Father_Occ_1970 = 222	-0.00134 (0.00976)
Child_Report_Father_Occ_1970 = 225	-0.139 (0.0100)
Child_Report_Father_Occ_1970 = 226	0.374 (0.0185)
Child_Report_Father_Occ_1970 = 230	-0.143 (0.00981)
Child_Report_Father_Occ_1970 = 233	0.105 (0.00972)
Child_Report_Father_Occ_1970 = 235	0.321 (0.0181)
Child_Report_Father_Occ_1970 = 240	0.0840 (0.00778)
Child_Report_Father_Occ_1970 = 245	-0.00816 (0.00446)
Child_Report_Father_Occ_1970 = 265	-0.220 (0.00644)
Child_Report_Father_Occ_1970 = 270	0.0773 (0.0108)
Child_Report_Father_Occ_1970 = 281	0.255 (0.00739)
Child_Report_Father_Occ_1970 = 282	0.0766 (0.00579)
Child_Report_Father_Occ_1970 = 283	-0.00455 (0.00635)
Child_Report_Father_Occ_1970 = 284	0.0261 (0.00715)
Child_Report_Father_Occ_1970 = 285	0.0354 (0.0131)
Child_Report_Father_Occ_1970 = 301	-0.0884 (0.0186)
Child_Report_Father_Occ_1970 = 305	0.383 (0.0191)
Child_Report_Father_Occ_1970 = 310	-0.0700 (0.0177)
Child_Report_Father_Occ_1970 = 312	-0.203 (0.0180)
Child_Report_Father_Occ_1970 = 321	0.386 (0.0179)
Child_Report_Father_Occ_1970 = 326	-0.168 (0.0180)
Child_Report_Father_Occ_1970 = 331	-0.179 (0.00719)
Child_Report_Father_Occ_1970 = 332	0.119 (0.0179)

Child_Report_Father_Occ_1970 = 333	0.522 (0.0131)
Child_Report_Father_Occ_1970 = 343	0.146 (0.0211)
Child_Report_Father_Occ_1970 = 361	0.0330 (0.0130)
Child_Report_Father_Occ_1970 = 363	-0.0432 (0.0177)
Child_Report_Father_Occ_1970 = 374	-0.00730 (0.00978)
Child_Report_Father_Occ_1970 = 381	0.103 (0.0180)
Child_Report_Father_Occ_1970 = 390	0.0701 (0.0134)
Child_Report_Father_Occ_1970 = 410	-0.359 (0.00847)
Child_Report_Father_Occ_1970 = 412	-0.486 (0.00987)
Child_Report_Father_Occ_1970 = 413	0.154 (0.0176)
Child_Report_Father_Occ_1970 = 415	-0.111 (0.00543)
Child_Report_Father_Occ_1970 = 420	-0.751 (0.0180)
Child_Report_Father_Occ_1970 = 422	0.565 (0.0109)
Child_Report_Father_Occ_1970 = 424	0.0910 (0.00965)
Child_Report_Father_Occ_1970 = 426	0.256 (0.0132)
Child_Report_Father_Occ_1970 = 430	-0.202 (0.00749)
Child_Report_Father_Occ_1970 = 433	0.196 (0.00836)
Child_Report_Father_Occ_1970 = 436	-0.519 (0.00966)
Child_Report_Father_Occ_1970 = 441	-0.0873 (0.00562)
Child_Report_Father_Occ_1970 = 452	0.228 (0.0171)
Child_Report_Father_Occ_1970 = 454	-0.271 (0.0130)
Child_Report_Father_Occ_1970 = 455	-0.230 (0.0131)
Child_Report_Father_Occ_1970 = 461	-0.223 (0.00640)
Child_Report_Father_Occ_1970 = 470	0.0730 (0.00984)
Child_Report_Father_Occ_1970 = 471	-0.155 (0.0128)
Child_Report_Father_Occ_1970 = 472	-0.0874 (0.0127)
Child_Report_Father_Occ_1970 = 473	-0.168 (0.00541)
Child_Report_Father_Occ_1970 = 475	0.132 (0.0186)
Child_Report_Father_Occ_1970 = 480	-1.377 (0.0129)
Child_Report_Father_Occ_1970 = 481	0.138 (0.0113)

Child_Report_Father_Occ_1970 = 482	0.0399 (0.0110)
Child_Report_Father_Occ_1970 = 483	0.340 (0.0176)
Child_Report_Father_Occ_1970 = 484	-0.340 (0.0187)
Child_Report_Father_Occ_1970 = 485	0.0764 (0.0179)
Child_Report_Father_Occ_1970 = 492	-0.699 (0.0175)
Child_Report_Father_Occ_1970 = 495	-0.378 (0.0176)
Child_Report_Father_Occ_1970 = 502	-0.0558 (0.00881)
Child_Report_Father_Occ_1970 = 510	-0.458 (0.0134)
Child_Report_Father_Occ_1970 = 516	-0.283 (0.0131)
Child_Report_Father_Occ_1970 = 522	-0.216 (0.00755)
Child_Report_Father_Occ_1970 = 530	-0.0606 (0.00974)
Child_Report_Father_Occ_1970 = 534	-0.344 (0.0133)
Child_Report_Father_Occ_1970 = 535	-0.292 (0.0182)
Child_Report_Father_Occ_1970 = 540	0.466 (0.0177)
Child_Report_Father_Occ_1970 = 542	0.884 (0.0186)
Child_Report_Father_Occ_1970 = 545	-0.423 (0.0130)
Child_Report_Father_Occ_1970 = 551	-0.354 (0.00993)
Child_Report_Father_Occ_1970 = 554	0.384 (0.0137)
Child_Report_Father_Occ_1970 = 561	0.340 (0.0131)
Child_Report_Father_Occ_1970 = 563	-0.0746 (0.0110)
Child_Report_Father_Occ_1970 = 575	-0.378 (0.0186)
Child_Report_Father_Occ_1970 = 600	-0.0628 (0.00489)
Child_Report_Father_Occ_1970 = 602	-0.0196 (0.00629)
Child_Report_Father_Occ_1970 = 604	-0.293 (0.0186)
Child_Report_Father_Occ_1970 = 610	-0.106 (0.0108)
Child_Report_Father_Occ_1970 = 611	0.184 (0.0150)
Child_Report_Father_Occ_1970 = 614	-0.558 (0.0187)
Child_Report_Father_Occ_1970 = 615	0.478 (0.0129)
Child_Report_Father_Occ_1970 = 622	-0.0863 (0.0182)
Child_Report_Father_Occ_1970 = 623	-0.349 (0.0183)

Child_Report_Father_Occ_1970 = 630	0.0641 (0.0181)
Child_Report_Father_Occ_1970 = 631	-0.130 (0.0110)
Child_Report_Father_Occ_1970 = 633	-0.0397 (0.00889)
Child_Report_Father_Occ_1970 = 640	-0.124 (0.00704)
Child_Report_Father_Occ_1970 = 642	0.219 (0.0172)
Child_Report_Father_Occ_1970 = 643	-0.703 (0.0180)
Child_Report_Father_Occ_1970 = 644	0.267 (0.0131)
Child_Report_Father_Occ_1970 = 645	0.164 (0.0186)
Child_Report_Father_Occ_1970 = 653	-0.0698 (0.0180)
Child_Report_Father_Occ_1970 = 662	-0.275 (0.0136)
Child_Report_Father_Occ_1970 = 666	-0.501 (0.0184)
Child_Report_Father_Occ_1970 = 673	-0.266 (0.0198)
Child_Report_Father_Occ_1970 = 674	0.699 (0.0182)
Child_Report_Father_Occ_1970 = 680	-0.343 (0.00672)
Child_Report_Father_Occ_1970 = 690	-0.245 (0.00782)
Child_Report_Father_Occ_1970 = 692	-0.234 (0.00747)
Child_Report_Father_Occ_1970 = 694	-0.154 (0.00823)
Child_Report_Father_Occ_1970 = 695	-0.169 (0.00525)
Child_Report_Father_Occ_1970 = 703	-0.399 (0.00785)
Child_Report_Father_Occ_1970 = 705	-0.0978 (0.00711)
Child_Report_Father_Occ_1970 = 706	-0.253 (0.00963)
Child_Report_Father_Occ_1970 = 714	0.357 (0.0133)
Child_Report_Father_Occ_1970 = 715	-0.0626 (0.00485)
Child_Report_Father_Occ_1970 = 751	-0.0983 (0.00569)
Child_Report_Father_Occ_1970 = 752	-0.162 (0.0179)
Child_Report_Father_Occ_1970 = 753	-0.247 (0.00789)
Child_Report_Father_Occ_1970 = 755	-0.525 (0.00791)
Child_Report_Father_Occ_1970 = 760	-1.147 (0.0189)
Child_Report_Father_Occ_1970 = 761	-0.394 (0.00711)
Child_Report_Father_Occ_1970 = 762	-0.556 (0.0182)

Child_Report_Father_Occ_1970 = 763	-0.154 (0.0131)
Child_Report_Father_Occ_1970 = 770	-0.376 (0.0184)
Child_Report_Father_Occ_1970 = 780	-0.189 (0.00719)
Child_Report_Father_Occ_1970 = 785	0.00855 (0.00726)
Child_Report_Father_Occ_1970 = 801	-0.122 (0.00483)
Child_Report_Father_Occ_1970 = 802	-0.0199 (0.0183)
Child_Report_Father_Occ_1970 = 821	-0.108 (0.0187)
Child_Report_Father_Occ_1970 = 822	-0.340 (0.00670)
Child_Report_Father_Occ_1970 = 902	-0.218 (0.0178)
Child_Report_Father_Occ_1970 = 903	-0.232 (0.00627)
Child_Report_Father_Occ_1970 = 910	-0.120 (0.0179)
Child_Report_Father_Occ_1970 = 912	0.00815 (0.0181)
Child_Report_Father_Occ_1970 = 925	-0.123 (0.0110)
Child_Report_Father_Occ_1970 = 961	0.0308 (0.00725)
Child_Report_Father_Occ_1970 = 962	-0.165 (0.00711)
Child_Report_Father_Occ_1970 = 964	-0.0634 (0.00688)
Child_Report_INDUSTRY = 2, Mining	0.522 (0.00578)
Child_Report_INDUSTRY = 3, Construction	0.335 (0.00300)
Child_Report_INDUSTRY = 4, Manufacturing	0.449 (0.00261)
Child_Report_INDUSTRY = 5, Transport and communication	0.453 (0.00306)
Child_Report_INDUSTRY = 6, Wholesale and retail	0.352 (0.00291)
Child_Report_INDUSTRY = 7, Finance	0.421 (0.00433)
Child_Report_INDUSTRY = 8, Business services	0.224 (0.00362)
Child_Report_INDUSTRY = 9, Personal services	0.315 (0.00745)
Child_Report_INDUSTRY = 10, Entertainment	-0.0135 (0.00929)
Child_Report_INDUSTRY = 11, Professional services	0.290 (0.00318)
Child_Report_INDUSTRY = 12, Public administration	0.338 (0.00314)
Constant	10.43 (0.00966)
Observations	500,000
R-squared	0.517

Model M4d. Father's earnings in 1980 as the first-stage dependent variable. Sons' recall of father's Z characteristics

VARIABLES	Beta (SE)
Father_Race = 2, Black	-0.310 (0.00265)
Father_Race = 3, American Indian	-0.405 (0.0111)
Father_Race = 4, Asian	-0.160 (0.0177)
Father_Race = 5, Pacific Islander	0.0838 (0.0290)
Father_Race = 7, Other / Unknown	0.0285 (0.00455)
Child_Report_Father_Ed = 1, Grades 1 - 5	0.0766 (0.0145)
Child_Report_Father_Ed = 2, Grades 6 - 8	-0.0933 (0.0131)
Child_Report_Father_Ed = 3, Grades 9 - 11	0.158 (0.0132)
Child_Report_Father_Ed = 4, Grade 12 (HS completion)	0.198 (0.0129)
Child_Report_Father_Ed = 5, Some college / associates degree	0.343 (0.0131)
Child_Report_Father_Ed = 6, College degree	0.535 (0.0132)
Child_Report_Father_Ed = 7, Advanced college degree	0.643 (0.0133)
Child_Report_Father_Ed = 10, 10	0.158 (0.0156)
Child_Report_Father_Occ_1970 = 2	0.639 (0.0265)
Child_Report_Father_Occ_1970 = 3	0.0564 (0.0153)
Child_Report_Father_Occ_1970 = 4	0.178 (0.0162)
Child_Report_Father_Occ_1970 = 5	-0.330 (0.0162)
Child_Report_Father_Occ_1970 = 6	-0.217 (0.0163)
Child_Report_Father_Occ_1970 = 10	-0.296 (0.0135)
Child_Report_Father_Occ_1970 = 11	-0.155 (0.0164)
Child_Report_Father_Occ_1970 = 12	-0.344 (0.0116)
Child_Report_Father_Occ_1970 = 13	0.127 (0.0161)
Child_Report_Father_Occ_1970 = 14	0.0694 (0.0100)
Child_Report_Father_Occ_1970 = 23	0.259 (0.0197)
Child_Report_Father_Occ_1970 = 24	0.933 (0.0199)
Child_Report_Father_Occ_1970 = 31	0.289 (0.0104)
Child_Report_Father_Occ_1970 = 45	0.308 (0.0167)

Child_Report_Father_Occ_1970 = 53	0.263 (0.0202)
Child_Report_Father_Occ_1970 = 55	-1.994 (0.0278)
Child_Report_Father_Occ_1970 = 56	-0.0678 (0.0134)
Child_Report_Father_Occ_1970 = 62	-0.0154 (0.0162)
Child_Report_Father_Occ_1970 = 64	0.606 (0.0271)
Child_Report_Father_Occ_1970 = 65	-0.442 (0.0108)
Child_Report_Father_Occ_1970 = 80	-0.439 (0.0264)
Child_Report_Father_Occ_1970 = 85	0.239 (0.0197)
Child_Report_Father_Occ_1970 = 86	0.0563 (0.0106)
Child_Report_Father_Occ_1970 = 93	0.296 (0.0269)
Child_Report_Father_Occ_1970 = 100	0.437 (0.0269)
Child_Report_Father_Occ_1970 = 111	0.139 (0.0272)
Child_Report_Father_Occ_1970 = 112	0.00516 (0.0276)
Child_Report_Father_Occ_1970 = 123	0.833 (0.0275)
Child_Report_Father_Occ_1970 = 126	0.000270 (0.0269)
Child_Report_Father_Occ_1970 = 140	0.0857 (0.0197)
Child_Report_Father_Occ_1970 = 142	-0.116 (0.0193)
Child_Report_Father_Occ_1970 = 144	0.210 (0.0117)
Child_Report_Father_Occ_1970 = 145	-0.0775 (0.0271)
Child_Report_Father_Occ_1970 = 150	0.0459 (0.0199)
Child_Report_Father_Occ_1970 = 152	-0.951 (0.0139)
Child_Report_Father_Occ_1970 = 153	0.0778 (0.0198)
Child_Report_Father_Occ_1970 = 163	0.878 (0.0273)
Child_Report_Father_Occ_1970 = 174	0.232 (0.0281)
Child_Report_Father_Occ_1970 = 183	0.325 (0.0198)
Child_Report_Father_Occ_1970 = 184	0.0821 (0.0286)
Child_Report_Father_Occ_1970 = 185	0.409 (0.0293)
Child_Report_Father_Occ_1970 = 190	0.387 (0.0274)
Child_Report_Father_Occ_1970 = 191	-0.395 (0.0285)
Child_Report_Father_Occ_1970 = 192	-0.251 (0.0269)

Child_Report_Father_Occ_1970 = 195	0.0663 (0.0199)
Child_Report_Father_Occ_1970 = 202	-0.0216 (0.00993)
Child_Report_Father_Occ_1970 = 203	0.460 (0.0262)
Child_Report_Father_Occ_1970 = 211	-0.196 (0.0194)
Child_Report_Father_Occ_1970 = 212	-0.328 (0.0269)
Child_Report_Father_Occ_1970 = 215	0.142 (0.0269)
Child_Report_Father_Occ_1970 = 220	-0.679 (0.0159)
Child_Report_Father_Occ_1970 = 222	0.168 (0.0145)
Child_Report_Father_Occ_1970 = 225	0.00739 (0.0149)
Child_Report_Father_Occ_1970 = 226	0.489 (0.0274)
Child_Report_Father_Occ_1970 = 230	0.0133 (0.0146)
Child_Report_Father_Occ_1970 = 233	0.323 (0.0145)
Child_Report_Father_Occ_1970 = 235	0.416 (0.0269)
Child_Report_Father_Occ_1970 = 240	0.188 (0.0116)
Child_Report_Father_Occ_1970 = 245	0.0248 (0.00666)
Child_Report_Father_Occ_1970 = 265	-0.0640 (0.00960)
Child_Report_Father_Occ_1970 = 270	0.340 (0.0161)
Child_Report_Father_Occ_1970 = 281	-0.0990 (0.0110)
Child_Report_Father_Occ_1970 = 282	-0.0535 (0.00863)
Child_Report_Father_Occ_1970 = 283	-0.0834 (0.00948)
Child_Report_Father_Occ_1970 = 284	-0.120 (0.0106)
Child_Report_Father_Occ_1970 = 285	0.000662 (0.0194)
Child_Report_Father_Occ_1970 = 301	0.0827 (0.0276)
Child_Report_Father_Occ_1970 = 305	0.157 (0.0285)
Child_Report_Father_Occ_1970 = 310	-0.0932 (0.0263)
Child_Report_Father_Occ_1970 = 312	-0.119 (0.0267)
Child_Report_Father_Occ_1970 = 321	0.615 (0.0267)
Child_Report_Father_Occ_1970 = 326	-0.119 (0.0267)
Child_Report_Father_Occ_1970 = 331	-0.0881 (0.0107)
Child_Report_Father_Occ_1970 = 332	-0.284 (0.0267)

Child_Report_Father_Occ_1970 = 333	0.323 (0.0195)
Child_Report_Father_Occ_1970 = 343	0.305 (0.0313)
Child_Report_Father_Occ_1970 = 361	0.259 (0.0193)
Child_Report_Father_Occ_1970 = 363	0.00823 (0.0263)
Child_Report_Father_Occ_1970 = 374	-0.0473 (0.0146)
Child_Report_Father_Occ_1970 = 381	-0.110 (0.0267)
Child_Report_Father_Occ_1970 = 390	-0.148 (0.0199)
Child_Report_Father_Occ_1970 = 410	-0.819 (0.0126)
Child_Report_Father_Occ_1970 = 412	-0.620 (0.0148)
Child_Report_Father_Occ_1970 = 413	0.657 (0.0262)
Child_Report_Father_Occ_1970 = 415	0.0225 (0.00811)
Child_Report_Father_Occ_1970 = 420	-0.586 (0.0269)
Child_Report_Father_Occ_1970 = 422	0.418 (0.0163)
Child_Report_Father_Occ_1970 = 424	0.365 (0.0144)
Child_Report_Father_Occ_1970 = 426	0.428 (0.0196)
Child_Report_Father_Occ_1970 = 430	0.119 (0.0112)
Child_Report_Father_Occ_1970 = 433	0.241 (0.0124)
Child_Report_Father_Occ_1970 = 436	-0.486 (0.0144)
Child_Report_Father_Occ_1970 = 441	-0.294 (0.00838)
Child_Report_Father_Occ_1970 = 452	0.233 (0.0255)
Child_Report_Father_Occ_1970 = 454	-0.228 (0.0195)
Child_Report_Father_Occ_1970 = 455	0.0933 (0.0195)
Child_Report_Father_Occ_1970 = 461	-0.0228 (0.00957)
Child_Report_Father_Occ_1970 = 470	0.108 (0.0147)
Child_Report_Father_Occ_1970 = 471	0.264 (0.0191)
Child_Report_Father_Occ_1970 = 472	0.185 (0.0190)
Child_Report_Father_Occ_1970 = 473	0.0438 (0.00816)
Child_Report_Father_Occ_1970 = 475	-0.0162 (0.0277)
Child_Report_Father_Occ_1970 = 480	-1.372 (0.0193)
Child_Report_Father_Occ_1970 = 481	-0.0808 (0.0169)

Child_Report_Father_Occ_1970 = 482	-0.0239 (0.0164)
Child_Report_Father_Occ_1970 = 483	0.419 (0.0262)
Child_Report_Father_Occ_1970 = 484	-0.165 (0.0279)
Child_Report_Father_Occ_1970 = 485	-0.252 (0.0267)
Child_Report_Father_Occ_1970 = 492	-1.165 (0.0260)
Child_Report_Father_Occ_1970 = 495	-0.517 (0.0262)
Child_Report_Father_Occ_1970 = 502	0.228 (0.0132)
Child_Report_Father_Occ_1970 = 510	-0.201 (0.0200)
Child_Report_Father_Occ_1970 = 516	-0.224 (0.0195)
Child_Report_Father_Occ_1970 = 522	0.0215 (0.0113)
Child_Report_Father_Occ_1970 = 530	-0.664 (0.0145)
Child_Report_Father_Occ_1970 = 534	-0.334 (0.0198)
Child_Report_Father_Occ_1970 = 535	0.211 (0.0272)
Child_Report_Father_Occ_1970 = 540	0.195 (0.0264)
Child_Report_Father_Occ_1970 = 542	1.032 (0.0277)
Child_Report_Father_Occ_1970 = 545	0.113 (0.0194)
Child_Report_Father_Occ_1970 = 551	0.153 (0.0148)
Child_Report_Father_Occ_1970 = 554	0.517 (0.0205)
Child_Report_Father_Occ_1970 = 561	0.353 (0.0195)
Child_Report_Father_Occ_1970 = 563	-0.0388 (0.0164)
Child_Report_Father_Occ_1970 = 575	-0.0526 (0.0277)
Child_Report_Father_Occ_1970 = 600	0.0476 (0.00728)
Child_Report_Father_Occ_1970 = 602	0.126 (0.00936)
Child_Report_Father_Occ_1970 = 604	-0.422 (0.0277)
Child_Report_Father_Occ_1970 = 610	-0.190 (0.0161)
Child_Report_Father_Occ_1970 = 611	0.620 (0.0223)
Child_Report_Father_Occ_1970 = 614	-0.392 (0.0278)
Child_Report_Father_Occ_1970 = 615	0.500 (0.0193)
Child_Report_Father_Occ_1970 = 622	-0.119 (0.0271)
Child_Report_Father_Occ_1970 = 623	-0.297 (0.0272)

Child_Report_Father_Occ_1970 = 630	-0.811 (0.0271)
Child_Report_Father_Occ_1970 = 631	0.103 (0.0163)
Child_Report_Father_Occ_1970 = 633	0.311 (0.0133)
Child_Report_Father_Occ_1970 = 640	0.0320 (0.0105)
Child_Report_Father_Occ_1970 = 642	0.247 (0.0256)
Child_Report_Father_Occ_1970 = 643	-0.304 (0.0268)
Child_Report_Father_Occ_1970 = 644	0.385 (0.0196)
Child_Report_Father_Occ_1970 = 645	0.123 (0.0276)
Child_Report_Father_Occ_1970 = 653	-0.144 (0.0268)
Child_Report_Father_Occ_1970 = 662	-0.122 (0.0202)
Child_Report_Father_Occ_1970 = 666	-2.710 (0.0273)
Child_Report_Father_Occ_1970 = 673	-0.0197 (0.0296)
Child_Report_Father_Occ_1970 = 674	0.755 (0.0270)
Child_Report_Father_Occ_1970 = 680	-0.433 (0.0100)
Child_Report_Father_Occ_1970 = 690	-0.224 (0.0116)
Child_Report_Father_Occ_1970 = 692	-0.463 (0.0111)
Child_Report_Father_Occ_1970 = 694	-0.141 (0.0123)
Child_Report_Father_Occ_1970 = 695	-0.126 (0.00784)
Child_Report_Father_Occ_1970 = 703	-0.216 (0.0117)
Child_Report_Father_Occ_1970 = 705	0.0738 (0.0106)
Child_Report_Father_Occ_1970 = 706	-0.214 (0.0143)
Child_Report_Father_Occ_1970 = 714	0.230 (0.0199)
Child_Report_Father_Occ_1970 = 715	-0.00633 (0.00723)
Child_Report_Father_Occ_1970 = 751	-0.0965 (0.00849)
Child_Report_Father_Occ_1970 = 752	-0.315 (0.0266)
Child_Report_Father_Occ_1970 = 753	-0.142 (0.0118)
Child_Report_Father_Occ_1970 = 755	-1.433 (0.0118)
Child_Report_Father_Occ_1970 = 760	-1.374 (0.0283)
Child_Report_Father_Occ_1970 = 761	-0.328 (0.0106)
Child_Report_Father_Occ_1970 = 762	-0.353 (0.0272)

Child_Report_Father_Occ_1970 = 763	-0.104 (0.0196)
Child_Report_Father_Occ_1970 = 770	-0.330 (0.0274)
Child_Report_Father_Occ_1970 = 780	-0.0443 (0.0107)
Child_Report_Father_Occ_1970 = 785	-0.00318 (0.0108)
Child_Report_Father_Occ_1970 = 801	-0.0600 (0.00720)
Child_Report_Father_Occ_1970 = 802	-0.127 (0.0272)
Child_Report_Father_Occ_1970 = 821	-0.140 (0.0279)
Child_Report_Father_Occ_1970 = 822	-0.128 (0.00998)
Child_Report_Father_Occ_1970 = 902	-0.321 (0.0265)
Child_Report_Father_Occ_1970 = 903	-0.138 (0.00933)
Child_Report_Father_Occ_1970 = 910	0.152 (0.0266)
Child_Report_Father_Occ_1970 = 912	0.367 (0.0271)
Child_Report_Father_Occ_1970 = 925	-0.101 (0.0164)
Child_Report_Father_Occ_1970 = 961	0.136 (0.0108)
Child_Report_Father_Occ_1970 = 962	-0.540 (0.0106)
Child_Report_Father_Occ_1970 = 964	0.102 (0.0103)
Child_Report_INDUSTRY = 2, Mining	0.745 (0.00901)
Child_Report_INDUSTRY = 3, Construction	0.565 (0.00449)
Child_Report_INDUSTRY = 4, Manufacturing	0.650 (0.00390)
Child_Report_INDUSTRY = 5, Transport and communication	0.709 (0.00458)
Child_Report_INDUSTRY = 6, Wholesale and retail	0.555 (0.00436)
Child_Report_INDUSTRY = 7, Finance	0.586 (0.00647)
Child_Report_INDUSTRY = 8, Business services	0.404 (0.00540)
Child_Report_INDUSTRY = 9, Personal services	0.126 (0.0111)
Child_Report_INDUSTRY = 10, Entertainment	0.497 (0.0138)
Child_Report_INDUSTRY = 11, Professional services	0.463 (0.00474)
Child_Report_INDUSTRY = 12, Public administration	0.614 (0.00469)
Father_Age19_Dummies = 1	-0.666 (0.00424)
Father_Age19_Dummies = 2	-0.320 (0.00376)
Father_Age19_Dummies = 3	-0.207 (0.00363)

Father_Age19_Dummies = 4	-0.125 (0.00379)
Father_Age19_Dummies = 6	0.0162 (0.00394)
Father_Age19_Dummies = 7	-0.0594 (0.00390)
Father_Age19_Dummies = 8	0.0719 (0.00464)
Father_Age19_Dummies = 9	-0.482 (0.00609)
Constant	10.25 (0.0149)
Observations	498,987
R-squared	0.428

Model M5a. Time-average earnings as the first-stage dependent variable. Father's own reports of Z characteristics

VARIABLES	Beta (SE)
Father_Race = 2, Black	-0.129 (0.00166)
Father_Race = 3, American Indian	-0.252 (0.00541)
Father_Race = 4, Asian	-0.188 (0.0104)
Father_Race = 5, Pacific Islander	0.102 (0.0171)
Father_Race = 7, Other / Unknown	0.0294 (0.00255)
Father_Report_Father_Ed = 2, Grades 6 - 8	0.263 (0.00503)
Father_Report_Father_Ed = 3, Grades 9 - 11	0.332 (0.00481)
Father_Report_Father_Ed = 4, Grade 12 (HS completion)	0.448 (0.00477)
Father_Report_Father_Ed = 5, Some college / associates degree	0.489 (0.00485)
Father_Report_Father_Ed = 6, College degree	0.743 (0.00505)
Father_Report_Father_Ed = 7, Advanced college degree	0.842 (0.00511)
Father_Report_Occ_Age_15 = 1	0.341 (0.0110)
Father_Report_Occ_Age_15 = 2	0.357 (0.0144)
Father_Report_Occ_Age_15 = 3	0.0987 (0.0125)
Father_Report_Occ_Age_15 = 4	0.436 (0.0131)
Father_Report_Occ_Age_15 = 5	0.499 (0.0145)
Father_Report_Occ_Age_15 = 6	0.397 (0.0165)
Father_Report_Occ_Age_15 = 10	1.006 (0.0136)
Father_Report_Occ_Age_15 = 11	0.492 (0.0117)
Father_Report_Occ_Age_15 = 12	0.544 (0.0110)
Father_Report_Occ_Age_15 = 13	0.390 (0.0106)
Father_Report_Occ_Age_15 = 14	0.506 (0.0105)
Father_Report_Occ_Age_15 = 22	0.172 (0.0137)
Father_Report_Occ_Age_15 = 25	0.101 (0.0134)
Father_Report_Occ_Age_15 = 30	0.603 (0.0169)
Father_Report_Occ_Age_15 = 31	1.044 (0.0135)
Father_Report_Occ_Age_15 = 44	0.560 (0.0172)

Father_Report_Occ_Age_15 = 45	0.0294 (0.0194)
Father_Report_Occ_Age_15 = 54	0.0528 (0.0243)
Father_Report_Occ_Age_15 = 55	0.412 (0.0126)
Father_Report_Occ_Age_15 = 56	0.446 (0.0108)
Father_Report_Occ_Age_15 = 62	0.539 (0.00933)
Father_Report_Occ_Age_15 = 63	0.773 (0.00929)
Father_Report_Occ_Age_15 = 64	0.996 (0.0181)
Father_Report_Occ_Age_15 = 65	1.716 (0.0128)
Father_Report_Occ_Age_15 = 72	1.159 (0.0227)
Father_Report_Occ_Age_15 = 75	0.316 (0.0137)
Father_Report_Occ_Age_15 = 80	0.339 (0.0144)
Father_Report_Occ_Age_15 = 83	0.422 (0.0166)
Father_Report_Occ_Age_15 = 85	-0.758 (0.0180)
Father_Report_Occ_Age_15 = 86	-0.114 (0.0125)
Father_Report_Occ_Age_15 = 91	0.393 (0.0184)
Father_Report_Occ_Age_15 = 93	0.403 (0.0230)
Father_Report_Occ_Age_15 = 100	0.215 (0.0184)
Father_Report_Occ_Age_15 = 111	0.743 (0.0166)
Father_Report_Occ_Age_15 = 112	0.602 (0.0130)
Father_Report_Occ_Age_15 = 115	-0.0144 (0.0167)
Father_Report_Occ_Age_15 = 123	0.422 (0.0140)
Father_Report_Occ_Age_15 = 142	0.201 (0.0147)
Father_Report_Occ_Age_15 = 144	0.305 (0.0119)
Father_Report_Occ_Age_15 = 152	0.344 (0.0143)
Father_Report_Occ_Age_15 = 153	0.421 (0.0118)
Father_Report_Occ_Age_15 = 155	0.712 (0.0139)
Father_Report_Occ_Age_15 = 162	0.227 (0.0243)
Father_Report_Occ_Age_15 = 163	0.0205 (0.0167)
Father_Report_Occ_Age_15 = 171	0.765 (0.0140)
Father_Report_Occ_Age_15 = 173	-0.0246 (0.0127)

Father_Report_Occ_Age_15 = 174	0.320 (0.0133)
Father_Report_Occ_Age_15 = 183	0.287 (0.0165)
Father_Report_Occ_Age_15 = 184	1.051 (0.0139)
Father_Report_Occ_Age_15 = 185	0.929 (0.00938)
Father_Report_Occ_Age_15 = 190	0.187 (0.0243)
Father_Report_Occ_Age_15 = 191	0.140 (0.0129)
Father_Report_Occ_Age_15 = 192	0.450 (0.0175)
Father_Report_Occ_Age_15 = 194	0.421 (0.0167)
Father_Report_Occ_Age_15 = 195	0.523 (0.0171)
Father_Report_Occ_Age_15 = 202	0.116 (0.0121)
Father_Report_Occ_Age_15 = 205	0.663 (0.0209)
Father_Report_Occ_Age_15 = 210	0.112 (0.0178)
Father_Report_Occ_Age_15 = 212	0.289 (0.0129)
Father_Report_Occ_Age_15 = 213	0.0874 (0.0166)
Father_Report_Occ_Age_15 = 215	0.479 (0.0170)
Father_Report_Occ_Age_15 = 216	0.218 (0.0137)
Father_Report_Occ_Age_15 = 220	0.515 (0.0128)
Father_Report_Occ_Age_15 = 222	0.200 (0.0167)
Father_Report_Occ_Age_15 = 223	0.516 (0.0144)
Father_Report_Occ_Age_15 = 225	0.294 (0.0129)
Father_Report_Occ_Age_15 = 226	0.830 (0.0151)
Father_Report_Occ_Age_15 = 230	1.991 (0.0208)
Father_Report_Occ_Age_15 = 231	0.652 (0.0112)
Father_Report_Occ_Age_15 = 233	0.651 (0.0116)
Father_Report_Occ_Age_15 = 235	0.813 (0.0124)
Father_Report_Occ_Age_15 = 240	0.477 (0.0123)
Father_Report_Occ_Age_15 = 245	0.473 (0.00972)
Father_Report_Occ_Age_15 = 260	-0.741 (0.0174)
Father_Report_Occ_Age_15 = 265	0.140 (0.0118)
Father_Report_Occ_Age_15 = 270	0.640 (0.0143)

Father_Report_Occ_Age_15 = 271	0.687 (0.0174)
Father_Report_Occ_Age_15 = 281	0.200 (0.0120)
Father_Report_Occ_Age_15 = 282	0.275 (0.0108)
Father_Report_Occ_Age_15 = 283	0.553 (0.0135)
Father_Report_Occ_Age_15 = 284	0.238 (0.0119)
Father_Report_Occ_Age_15 = 285	0.395 (0.0161)
Father_Report_Occ_Age_15 = 303	0.161 (0.0166)
Father_Report_Occ_Age_15 = 305	0.474 (0.0176)
Father_Report_Occ_Age_15 = 312	0.395 (0.0189)
Father_Report_Occ_Age_15 = 321	-0.263 (0.0173)
Father_Report_Occ_Age_15 = 323	0.433 (0.0174)
Father_Report_Occ_Age_15 = 331	-0.0321 (0.0144)
Father_Report_Occ_Age_15 = 334	0.171 (0.0171)
Father_Report_Occ_Age_15 = 343	0.725 (0.0136)
Father_Report_Occ_Age_15 = 374	0.300 (0.0117)
Father_Report_Occ_Age_15 = 381	0.178 (0.0110)
Father_Report_Occ_Age_15 = 394	0.169 (0.0125)
Father_Report_Occ_Age_15 = 405	0.490 (0.0164)
Father_Report_Occ_Age_15 = 410	-0.210 (0.0131)
Father_Report_Occ_Age_15 = 412	-0.279 (0.0145)
Father_Report_Occ_Age_15 = 413	-0.312 (0.0137)
Father_Report_Occ_Age_15 = 415	0.375 (0.0108)
Father_Report_Occ_Age_15 = 420	0.254 (0.0156)
Father_Report_Occ_Age_15 = 421	0.502 (0.0168)
Father_Report_Occ_Age_15 = 424	0.131 (0.0141)
Father_Report_Occ_Age_15 = 426	0.0219 (0.0149)
Father_Report_Occ_Age_15 = 430	0.495 (0.0108)
Father_Report_Occ_Age_15 = 433	0.426 (0.0137)
Father_Report_Occ_Age_15 = 436	0.206 (0.0113)
Father_Report_Occ_Age_15 = 441	0.347 (0.0101)

Father_Report_Occ_Age_15 = 452	-0.00945 (0.0144)
Father_Report_Occ_Age_15 = 454	-0.0185 (0.0188)
Father_Report_Occ_Age_15 = 461	0.189 (0.0113)
Father_Report_Occ_Age_15 = 462	-0.471 (0.0168)
Father_Report_Occ_Age_15 = 470	0.463 (0.0116)
Father_Report_Occ_Age_15 = 471	0.464 (0.0112)
Father_Report_Occ_Age_15 = 473	0.0876 (0.0106)
Father_Report_Occ_Age_15 = 474	0.205 (0.0172)
Father_Report_Occ_Age_15 = 481	0.179 (0.0105)
Father_Report_Occ_Age_15 = 482	0.254 (0.0172)
Father_Report_Occ_Age_15 = 483	0.262 (0.0131)
Father_Report_Occ_Age_15 = 484	0.318 (0.0145)
Father_Report_Occ_Age_15 = 492	0.256 (0.0121)
Father_Report_Occ_Age_15 = 495	0.489 (0.0177)
Father_Report_Occ_Age_15 = 502	0.430 (0.0116)
Father_Report_Occ_Age_15 = 510	0.158 (0.0108)
Father_Report_Occ_Age_15 = 522	0.380 (0.0166)
Father_Report_Occ_Age_15 = 525	0.259 (0.0170)
Father_Report_Occ_Age_15 = 530	0.371 (0.0169)
Father_Report_Occ_Age_15 = 534	-1.081 (0.0169)
Father_Report_Occ_Age_15 = 535	-0.183 (0.0172)
Father_Report_Occ_Age_15 = 540	0.708 (0.0171)
Father_Report_Occ_Age_15 = 545	0.498 (0.0125)
Father_Report_Occ_Age_15 = 550	0.678 (0.0136)
Father_Report_Occ_Age_15 = 552	0.289 (0.0122)
Father_Report_Occ_Age_15 = 561	-0.393 (0.0210)
Father_Report_Occ_Age_15 = 600	0.490 (0.0109)
Father_Report_Occ_Age_15 = 602	-0.0514 (0.0110)
Father_Report_Occ_Age_15 = 610	0.0226 (0.0128)
Father_Report_Occ_Age_15 = 611	0.450 (0.0178)

Father_Report_Occ_Age_15 = 612	-0.961 (0.0179)
Father_Report_Occ_Age_15 = 614	-0.308 (0.0256)
Father_Report_Occ_Age_15 = 621	0.471 (0.0131)
Father_Report_Occ_Age_15 = 623	0.422 (0.0134)
Father_Report_Occ_Age_15 = 631	0.665 (0.0115)
Father_Report_Occ_Age_15 = 633	0.501 (0.0126)
Father_Report_Occ_Age_15 = 635	0.0315 (0.0186)
Father_Report_Occ_Age_15 = 640	-0.0989 (0.0139)
Father_Report_Occ_Age_15 = 641	0.0705 (0.0120)
Father_Report_Occ_Age_15 = 642	0.311 (0.0148)
Father_Report_Occ_Age_15 = 643	0.303 (0.0116)
Father_Report_Occ_Age_15 = 644	0.00404 (0.0256)
Father_Report_Occ_Age_15 = 650	0.116 (0.0175)
Father_Report_Occ_Age_15 = 651	0.358 (0.0188)
Father_Report_Occ_Age_15 = 652	0.0375 (0.0126)
Father_Report_Occ_Age_15 = 653	0.841 (0.0124)
Father_Report_Occ_Age_15 = 662	0.0536 (0.0165)
Father_Report_Occ_Age_15 = 664	0.329 (0.0166)
Father_Report_Occ_Age_15 = 666	0.0518 (0.0147)
Father_Report_Occ_Age_15 = 673	0.374 (0.0178)
Father_Report_Occ_Age_15 = 674	-0.0115 (0.0176)
Father_Report_Occ_Age_15 = 680	0.0695 (0.0114)
Father_Report_Occ_Age_15 = 690	0.148 (0.0110)
Father_Report_Occ_Age_15 = 692	-0.0354 (0.0126)
Father_Report_Occ_Age_15 = 694	0.0824 (0.0117)
Father_Report_Occ_Age_15 = 695	0.143 (0.0139)
Father_Report_Occ_Age_15 = 703	0.0402 (0.0174)
Father_Report_Occ_Age_15 = 705	0.296 (0.0109)
Father_Report_Occ_Age_15 = 706	0.0177 (0.0112)
Father_Report_Occ_Age_15 = 710	0.238 (0.0187)

Father_Report_Occ_Age_15 = 715	0.149 (0.0100)
Father_Report_Occ_Age_15 = 740	0.00985 (0.0301)
Father_Report_Occ_Age_15 = 750	-0.114 (0.0163)
Father_Report_Occ_Age_15 = 751	0.232 (0.0106)
Father_Report_Occ_Age_15 = 753	0.123 (0.0111)
Father_Report_Occ_Age_15 = 755	-0.330 (0.0142)
Father_Report_Occ_Age_15 = 761	-0.0121 (0.0136)
Father_Report_Occ_Age_15 = 762	-0.134 (0.0134)
Father_Report_Occ_Age_15 = 770	0.295 (0.0145)
Father_Report_Occ_Age_15 = 780	0.264 (0.0145)
Father_Report_Occ_Age_15 = 801	0.00386 (0.0129)
Father_Report_Occ_Age_15 = 822	-0.449 (0.0133)
Father_Report_Occ_Age_15 = 824	-0.101 (0.0229)
Father_Report_Occ_Age_15 = 902	0.296 (0.0126)
Father_Report_Occ_Age_15 = 903	0.0937 (0.00957)
Father_Report_Occ_Age_15 = 910	1.322 (0.0203)
Father_Report_Occ_Age_15 = 912	1.886 (0.0259)
Father_Report_Occ_Age_15 = 925	-0.390 (0.0141)
Father_Report_Occ_Age_15 = 926	0.372 (0.0139)
Father_Report_Occ_Age_15 = 932, omitted	-
Father_Report_Occ_Age_15 = 950	0.456 (0.0164)
Father_Report_Occ_Age_15 = 961	0.424 (0.0120)
Father_Report_Occ_Age_15 = 962	-0.0352 (0.0114)
Father_Report_Occ_Age_15 = 964	0.502 (0.0109)
Father_Report_Occ_Age_15 = 999	0.477 (0.0129)
Father_Report_Ind_Age_15 = 17	0.0688 (0.0126)
Father_Report_Ind_Age_15 = 18	-0.337 (0.0185)
Father_Report_Ind_Age_15 = 19	0.480 (0.0142)
Father_Report_Ind_Age_15 = 47	0.444 (0.0138)
Father_Report_Ind_Age_15 = 48	0.532 (0.0122)

Father_Report_Ind_Age_15 = 49	0.476 (0.0222)
Father_Report_Ind_Age_15 = 57	0.185 (0.0142)
Father_Report_Ind_Age_15 = 67	0.0644 (0.0104)
Father_Report_Ind_Age_15 = 68	0.129 (0.0104)
Father_Report_Ind_Age_15 = 69	0.355 (0.00958)
Father_Report_Ind_Age_15 = 77	0.466 (0.0110)
Father_Report_Ind_Age_15 = 107	-0.209 (0.0128)
Father_Report_Ind_Age_15 = 108	0.494 (0.0108)
Father_Report_Ind_Age_15 = 109	0.285 (0.0125)
Father_Report_Ind_Age_15 = 118	0.262 (0.0116)
Father_Report_Ind_Age_15 = 119	0.404 (0.0166)
Father_Report_Ind_Age_15 = 127	0.313 (0.0133)
Father_Report_Ind_Age_15 = 137	0.117 (0.0215)
Father_Report_Ind_Age_15 = 138	0.0949 (0.0140)
Father_Report_Ind_Age_15 = 139	0.377 (0.0171)
Father_Report_Ind_Age_15 = 147	0.448 (0.0119)
Father_Report_Ind_Age_15 = 148	1.023 (0.0165)
Father_Report_Ind_Age_15 = 149	0.327 (0.0164)
Father_Report_Ind_Age_15 = 158	0.226 (0.0115)
Father_Report_Ind_Age_15 = 168	0.300 (0.0138)
Father_Report_Ind_Age_15 = 177	0.386 (0.0110)
Father_Report_Ind_Age_15 = 178	0.669 (0.0118)
Father_Report_Ind_Age_15 = 179	0.244 (0.0111)
Father_Report_Ind_Age_15 = 187, omitted	-
Father_Report_Ind_Age_15 = 188	0.308 (0.0111)
Father_Report_Ind_Age_15 = 189	0.279 (0.0105)
Father_Report_Ind_Age_15 = 197	0.386 (0.0112)
Father_Report_Ind_Age_15 = 198	0.347 (0.0136)
Father_Report_Ind_Age_15 = 199, omitted	-
Father_Report_Ind_Age_15 = 207	0.342 (0.0135)

Father_Report_Ind_Age_15 = 208	0.357 (0.0105)
Father_Report_Ind_Age_15 = 209	0.288 (0.0134)
Father_Report_Ind_Age_15 = 219	0.522 (0.0105)
Father_Report_Ind_Age_15 = 227	0.462 (0.0105)
Father_Report_Ind_Age_15 = 228	0.0167 (0.0115)
Father_Report_Ind_Age_15 = 229	0.295 (0.0141)
Father_Report_Ind_Age_15 = 237	0.306 (0.0170)
Father_Report_Ind_Age_15 = 247	0.406 (0.0124)
Father_Report_Ind_Age_15 = 258	0.265 (0.0164)
Father_Report_Ind_Age_15 = 259	0.141 (0.0141)
Father_Report_Ind_Age_15 = 268	0.309 (0.0108)
Father_Report_Ind_Age_15 = 269	0.0447 (0.0169)
Father_Report_Ind_Age_15 = 287	0.152 (0.0125)
Father_Report_Ind_Age_15 = 289	0.380 (0.0134)
Father_Report_Ind_Age_15 = 307, omitted	-
Father_Report_Ind_Age_15 = 317	-0.0912 (0.0120)
Father_Report_Ind_Age_15 = 319	0.0524 (0.0125)
Father_Report_Ind_Age_15 = 327	0.00435 (0.0140)
Father_Report_Ind_Age_15 = 328	0.289 (0.0122)
Father_Report_Ind_Age_15 = 329	0.325 (0.0165)
Father_Report_Ind_Age_15 = 337	0.0984 (0.0138)
Father_Report_Ind_Age_15 = 338	0.586 (0.0116)
Father_Report_Ind_Age_15 = 339	0.444 (0.0106)
Father_Report_Ind_Age_15 = 347	0.404 (0.0123)
Father_Report_Ind_Age_15 = 348	0.198 (0.0134)
Father_Report_Ind_Age_15 = 357	0.0394 (0.0183)
Father_Report_Ind_Age_15 = 358	0.326 (0.0133)
Father_Report_Ind_Age_15 = 359	0.0523 (0.0135)
Father_Report_Ind_Age_15 = 368	0.262 (0.0135)
Father_Report_Ind_Age_15 = 369	0.410 (0.0130)

Father_Report_Ind_Age_15 = 377	0.396 (0.0125)
Father_Report_Ind_Age_15 = 379	0.260 (0.0112)
Father_Report_Ind_Age_15 = 387	-0.313 (0.0127)
Father_Report_Ind_Age_15 = 388	0.313 (0.0141)
Father_Report_Ind_Age_15 = 389	-0.474 (0.0137)
Father_Report_Ind_Age_15 = 398	0.329 (0.0174)
Father_Report_Ind_Age_15 = 407	0.162 (0.0118)
Father_Report_Ind_Age_15 = 408	0.0262 (0.0164)
Father_Report_Ind_Age_15 = 417	0.354 (0.0101)
Father_Report_Ind_Age_15 = 427	0.331 (0.0110)
Father_Report_Ind_Age_15 = 447	-0.130 (0.0128)
Father_Report_Ind_Age_15 = 448	0.461 (0.0112)
Father_Report_Ind_Age_15 = 467	0.578 (0.0114)
Father_Report_Ind_Age_15 = 468	0.475 (0.0164)
Father_Report_Ind_Age_15 = 469	0.191 (0.0141)
Father_Report_Ind_Age_15 = 477	0.0136 (0.0160)
Father_Report_Ind_Age_15 = 478	-0.0376 (0.0136)
Father_Report_Ind_Age_15 = 479	0.287 (0.0210)
Father_Report_Ind_Age_15 = 507	0.286 (0.0125)
Father_Report_Ind_Age_15 = 508	-0.0935 (0.0140)
Father_Report_Ind_Age_15 = 509	0.0840 (0.0159)
Father_Report_Ind_Age_15 = 527	0.0776 (0.0109)
Father_Report_Ind_Age_15 = 528	0.572 (0.0125)
Father_Report_Ind_Age_15 = 529	-0.336 (0.0124)
Father_Report_Ind_Age_15 = 537	0.423 (0.0122)
Father_Report_Ind_Age_15 = 538	-0.146 (0.0165)
Father_Report_Ind_Age_15 = 539	0.269 (0.0110)
Father_Report_Ind_Age_15 = 558	1.602 (0.0170)
Father_Report_Ind_Age_15 = 559	0.0586 (0.0125)
Father_Report_Ind_Age_15 = 567	0.197 (0.0129)

Father_Report_Ind_Age_15 = 568	0.214 (0.0120)
Father_Report_Ind_Age_15 = 569	0.152 (0.0146)
Father_Report_Ind_Age_15 = 587	0.752 (0.0112)
Father_Report_Ind_Age_15 = 588	-0.0548 (0.0172)
Father_Report_Ind_Age_15 = 607	0.284 (0.0119)
Father_Report_Ind_Age_15 = 609	-0.386 (0.0140)
Father_Report_Ind_Age_15 = 617	0.751 (0.0166)
Father_Report_Ind_Age_15 = 618	-0.259 (0.0133)
Father_Report_Ind_Age_15 = 627	-0.0568 (0.0160)
Father_Report_Ind_Age_15 = 628	-0.179 (0.0105)
Father_Report_Ind_Age_15 = 637	-0.320 (0.0143)
Father_Report_Ind_Age_15 = 638	-0.559 (0.0136)
Father_Report_Ind_Age_15 = 639	0.188 (0.0108)
Father_Report_Ind_Age_15 = 648	-0.217 (0.0141)
Father_Report_Ind_Age_15 = 649	-0.0235 (0.0115)
Father_Report_Ind_Age_15 = 657	0.683 (0.0160)
Father_Report_Ind_Age_15 = 658	-0.163 (0.0134)
Father_Report_Ind_Age_15 = 667, omitted	-
Father_Report_Ind_Age_15 = 668	-0.154 (0.0119)
Father_Report_Ind_Age_15 = 669	-0.685 (0.0162)
Father_Report_Ind_Age_15 = 677	-0.587 (0.0172)
Father_Report_Ind_Age_15 = 678	-0.413 (0.0160)
Father_Report_Ind_Age_15 = 679	-0.230 (0.0129)
Father_Report_Ind_Age_15 = 689	0.0367 (0.0158)
Father_Report_Ind_Age_15 = 697	0.0817 (0.0132)
Father_Report_Ind_Age_15 = 698	0.751 (0.0162)
Father_Report_Ind_Age_15 = 707	0.412 (0.0128)
Father_Report_Ind_Age_15 = 708	0.359 (0.0141)
Father_Report_Ind_Age_15 = 709	0.168 (0.0158)
Father_Report_Ind_Age_15 = 717	0.655 (0.0110)

Father_Report_Ind_Age_15 = 718	0.0204 (0.0111)
Father_Report_Ind_Age_15 = 728	0.647 (0.0162)
Father_Report_Ind_Age_15 = 738	0.444 (0.0205)
Father_Report_Ind_Age_15 = 739	0.250 (0.0125)
Father_Report_Ind_Age_15 = 747	0.0481 (0.0169)
Father_Report_Ind_Age_15 = 748	-0.371 (0.0131)
Father_Report_Ind_Age_15 = 757	-0.0943 (0.0111)
Father_Report_Ind_Age_15 = 758	-0.00560 (0.0178)
Father_Report_Ind_Age_15 = 759	0.0488 (0.0128)
Father_Report_Ind_Age_15 = 777	-1.380 (0.0224)
Father_Report_Ind_Age_15 = 778	0.220 (0.0128)
Father_Report_Ind_Age_15 = 779	0.0723 (0.0109)
Father_Report_Ind_Age_15 = 798, omitted	-
Father_Report_Ind_Age_15 = 807, omitted	-
Father_Report_Ind_Age_15 = 809	0.164 (0.0137)
Father_Report_Ind_Age_15 = 828	-0.0512 (0.0134)
Father_Report_Ind_Age_15 = 829, omitted	-
Father_Report_Ind_Age_15 = 838	0.228 (0.0106)
Father_Report_Ind_Age_15 = 839	0.616 (0.0181)
Father_Report_Ind_Age_15 = 847, omitted	-
Father_Report_Ind_Age_15 = 848	0.382 (0.0117)
Father_Report_Ind_Age_15 = 849	0.341 (0.0152)
Father_Report_Ind_Age_15 = 857	-0.000853 (0.0114)
Father_Report_Ind_Age_15 = 858	0.0742 (0.0104)
Father_Report_Ind_Age_15 = 867	0.321 (0.0160)
Father_Report_Ind_Age_15 = 868	-0.105 (0.0161)
Father_Report_Ind_Age_15 = 869	0.436 (0.0173)
Father_Report_Ind_Age_15 = 877	0.212 (0.0117)
Father_Report_Ind_Age_15 = 878	0.0850 (0.0162)
Father_Report_Ind_Age_15 = 879	-0.438 (0.0163)

Father_Report_Ind_Age_15 = 887	-0.486 (0.0131)
Father_Report_Ind_Age_15 = 888	0.339 (0.0110)
Father_Report_Ind_Age_15 = 889	0.604 (0.0119)
Father_Report_Ind_Age_15 = 897	0.444 (0.0272)
Father_Report_Ind_Age_15 = 907	0.445 (0.0136)
Father_Report_Ind_Age_15 = 917	0.0761 (0.0104)
Father_Report_Ind_Age_15 = 927	0.175 (0.0108)
Father_Report_Ind_Age_15 = 937	0.0664 (0.0110)
Father_Report_Ind_Age_15 = 999	0.00473 (0.0113)
Constant	9.888 (0.00490)
Observations	500,000
R-squared	0.740

Model M5b. Father's earnings in 1980 as the first-stage dependent variable. Father's own reports of Z characteristics

VARIABLES	Beta (SE)
Father_Race = 2, Black	-0.176 (0.00284)
Father_Race = 3, American Indian	-0.429 (0.00928)
Father_Race = 4, Asian	-0.282 (0.0178)
Father_Race = 5, Pacific Islander	1.519 (0.0291)
Father_Race = 7, Other / Unknown	0.0272 (0.00440)
Father_Report_Father_Ed = 2, Grades 6 - 8	0.267 (0.00867)
Father_Report_Father_Ed = 3, Grades 9 - 11	0.199 (0.00844)
Father_Report_Father_Ed = 4, Grade 12 (HS completion)	0.362 (0.00841)
Father_Report_Father_Ed = 5, Some college / associates degree	0.437 (0.00864)
Father_Report_Father_Ed = 6, College degree	0.540 (0.00895)
Father_Report_Father_Ed = 7, Advanced college degree	0.581 (0.00911)
Father_Report_Occ_Age_15 = 1	2.295 (0.0187)
Father_Report_Occ_Age_15 = 2	1.909 (0.0245)
Father_Report_Occ_Age_15 = 3	1.790 (0.0213)
Father_Report_Occ_Age_15 = 4	2.150 (0.0223)
Father_Report_Occ_Age_15 = 5	2.069 (0.0247)
Father_Report_Occ_Age_15 = 6	1.797 (0.0281)
Father_Report_Occ_Age_15 = 10	2.376 (0.0231)
Father_Report_Occ_Age_15 = 11	2.471 (0.0198)
Father_Report_Occ_Age_15 = 12	2.237 (0.0187)
Father_Report_Occ_Age_15 = 13	2.354 (0.0180)
Father_Report_Occ_Age_15 = 14	2.283 (0.0180)
Father_Report_Occ_Age_15 = 22	1.876 (0.0232)
Father_Report_Occ_Age_15 = 25	1.779 (0.0228)
Father_Report_Occ_Age_15 = 30	1.859 (0.0287)
Father_Report_Occ_Age_15 = 31	1.850 (0.0229)
Father_Report_Occ_Age_15 = 44	2.022 (0.0294)

Father_Report_Occ_Age_15 = 45	2.142 (0.0333)
Father_Report_Occ_Age_15 = 54	1.616 (0.0412)
Father_Report_Occ_Age_15 = 55	1.636 (0.0215)
Father_Report_Occ_Age_15 = 56	2.036 (0.0185)
Father_Report_Occ_Age_15 = 62	0.672 (0.0160)
Father_Report_Occ_Age_15 = 63	0.780 (0.0163)
Father_Report_Occ_Age_15 = 64	2.684 (0.0308)
Father_Report_Occ_Age_15 = 65	2.326 (0.0219)
Father_Report_Occ_Age_15 = 72	-1.342 (0.0387)
Father_Report_Occ_Age_15 = 75	2.130 (0.0232)
Father_Report_Occ_Age_15 = 80	1.856 (0.0244)
Father_Report_Occ_Age_15 = 83	1.723 (0.0284)
Father_Report_Occ_Age_15 = 85	1.727 (0.0307)
Father_Report_Occ_Age_15 = 86	2.201 (0.0213)
Father_Report_Occ_Age_15 = 91	1.749 (0.0312)
Father_Report_Occ_Age_15 = 93	2.149 (0.0393)
Father_Report_Occ_Age_15 = 100	1.653 (0.0314)
Father_Report_Occ_Age_15 = 111	3.205 (0.0285)
Father_Report_Occ_Age_15 = 112	2.042 (0.0222)
Father_Report_Occ_Age_15 = 115	1.680 (0.0284)
Father_Report_Occ_Age_15 = 123	2.259 (0.0239)
Father_Report_Occ_Age_15 = 142	2.351 (0.0249)
Father_Report_Occ_Age_15 = 144	2.336 (0.0203)
Father_Report_Occ_Age_15 = 152	1.904 (0.0245)
Father_Report_Occ_Age_15 = 153	2.290 (0.0201)
Father_Report_Occ_Age_15 = 155	2.684 (0.0236)
Father_Report_Occ_Age_15 = 162	1.877 (0.0412)
Father_Report_Occ_Age_15 = 163	1.851 (0.0284)
Father_Report_Occ_Age_15 = 171	2.791 (0.0238)
Father_Report_Occ_Age_15 = 173	2.039 (0.0216)

Father_Report_Occ_Age_15 = 174	2.300 (0.0225)
Father_Report_Occ_Age_15 = 183	1.771 (0.0280)
Father_Report_Occ_Age_15 = 184	2.808 (0.0236)
Father_Report_Occ_Age_15 = 185	1.056 (0.0161)
Father_Report_Occ_Age_15 = 190	2.001 (0.0413)
Father_Report_Occ_Age_15 = 191	-0.170 (0.0220)
Father_Report_Occ_Age_15 = 192	2.375 (0.0298)
Father_Report_Occ_Age_15 = 194	1.842 (0.0284)
Father_Report_Occ_Age_15 = 195	2.311 (0.0290)
Father_Report_Occ_Age_15 = 202	1.791 (0.0206)
Father_Report_Occ_Age_15 = 205	2.840 (0.0358)
Father_Report_Occ_Age_15 = 210	1.576 (0.0303)
Father_Report_Occ_Age_15 = 212	2.022 (0.0220)
Father_Report_Occ_Age_15 = 213	1.493 (0.0284)
Father_Report_Occ_Age_15 = 215	2.194 (0.0288)
Father_Report_Occ_Age_15 = 216	1.727 (0.0232)
Father_Report_Occ_Age_15 = 220	2.008 (0.0219)
Father_Report_Occ_Age_15 = 222	2.223 (0.0284)
Father_Report_Occ_Age_15 = 223	2.574 (0.0244)
Father_Report_Occ_Age_15 = 225	1.974 (0.0220)
Father_Report_Occ_Age_15 = 226	2.719 (0.0256)
Father_Report_Occ_Age_15 = 230	4.165 (0.0354)
Father_Report_Occ_Age_15 = 231	2.352 (0.0191)
Father_Report_Occ_Age_15 = 233	2.259 (0.0198)
Father_Report_Occ_Age_15 = 235	2.577 (0.0210)
Father_Report_Occ_Age_15 = 240	2.729 (0.0209)
Father_Report_Occ_Age_15 = 245	2.183 (0.0166)
Father_Report_Occ_Age_15 = 260	1.155 (0.0297)
Father_Report_Occ_Age_15 = 265	2.064 (0.0200)
Father_Report_Occ_Age_15 = 270	2.422 (0.0244)

Father_Report_Occ_Age_15 = 271	1.619 (0.0299)
Father_Report_Occ_Age_15 = 281	2.155 (0.0205)
Father_Report_Occ_Age_15 = 282	1.889 (0.0183)
Father_Report_Occ_Age_15 = 283	2.425 (0.0230)
Father_Report_Occ_Age_15 = 284	0.781 (0.0203)
Father_Report_Occ_Age_15 = 285	1.792 (0.0275)
Father_Report_Occ_Age_15 = 303	2.779 (0.0284)
Father_Report_Occ_Age_15 = 305	1.970 (0.0299)
Father_Report_Occ_Age_15 = 312	3.814 (0.0323)
Father_Report_Occ_Age_15 = 321	2.142 (0.0294)
Father_Report_Occ_Age_15 = 323	2.298 (0.0295)
Father_Report_Occ_Age_15 = 331	1.315 (0.0245)
Father_Report_Occ_Age_15 = 334	2.325 (0.0291)
Father_Report_Occ_Age_15 = 343	2.187 (0.0233)
Father_Report_Occ_Age_15 = 374	1.886 (0.0199)
Father_Report_Occ_Age_15 = 381	1.303 (0.0188)
Father_Report_Occ_Age_15 = 394	1.819 (0.0213)
Father_Report_Occ_Age_15 = 405	1.548 (0.0280)
Father_Report_Occ_Age_15 = 410	1.480 (0.0224)
Father_Report_Occ_Age_15 = 412	1.701 (0.0248)
Father_Report_Occ_Age_15 = 413	0.326 (0.0232)
Father_Report_Occ_Age_15 = 415	2.150 (0.0184)
Father_Report_Occ_Age_15 = 420	1.864 (0.0267)
Father_Report_Occ_Age_15 = 421	2.870 (0.0285)
Father_Report_Occ_Age_15 = 424	1.034 (0.0241)
Father_Report_Occ_Age_15 = 426	1.490 (0.0255)
Father_Report_Occ_Age_15 = 430	2.317 (0.0183)
Father_Report_Occ_Age_15 = 433	2.180 (0.0234)
Father_Report_Occ_Age_15 = 436	1.925 (0.0194)
Father_Report_Occ_Age_15 = 441	1.967 (0.0172)

Father_Report_Occ_Age_15 = 452	1.776 (0.0247)
Father_Report_Occ_Age_15 = 454	1.688 (0.0321)
Father_Report_Occ_Age_15 = 461	1.675 (0.0192)
Father_Report_Occ_Age_15 = 462	1.776 (0.0286)
Father_Report_Occ_Age_15 = 470	2.135 (0.0198)
Father_Report_Occ_Age_15 = 471	2.101 (0.0191)
Father_Report_Occ_Age_15 = 473	1.729 (0.0181)
Father_Report_Occ_Age_15 = 474	2.192 (0.0292)
Father_Report_Occ_Age_15 = 481	1.826 (0.0178)
Father_Report_Occ_Age_15 = 482	2.097 (0.0294)
Father_Report_Occ_Age_15 = 483	0.0922 (0.0224)
Father_Report_Occ_Age_15 = 484	1.954 (0.0247)
Father_Report_Occ_Age_15 = 492	1.542 (0.0207)
Father_Report_Occ_Age_15 = 495	1.903 (0.0301)
Father_Report_Occ_Age_15 = 502	2.496 (0.0196)
Father_Report_Occ_Age_15 = 510	1.881 (0.0185)
Father_Report_Occ_Age_15 = 522	1.681 (0.0281)
Father_Report_Occ_Age_15 = 525	2.185 (0.0290)
Father_Report_Occ_Age_15 = 530	1.752 (0.0288)
Father_Report_Occ_Age_15 = 534	0.316 (0.0287)
Father_Report_Occ_Age_15 = 535	1.764 (0.0291)
Father_Report_Occ_Age_15 = 540	2.396 (0.0293)
Father_Report_Occ_Age_15 = 545	2.169 (0.0214)
Father_Report_Occ_Age_15 = 550	2.686 (0.0231)
Father_Report_Occ_Age_15 = 552	2.007 (0.0207)
Father_Report_Occ_Age_15 = 561	0.226 (0.0361)
Father_Report_Occ_Age_15 = 600	1.719 (0.0186)
Father_Report_Occ_Age_15 = 602	1.897 (0.0187)
Father_Report_Occ_Age_15 = 610	2.109 (0.0217)
Father_Report_Occ_Age_15 = 611	1.428 (0.0303)

Father_Report_Occ_Age_15 = 612	0.268 (0.0305)
Father_Report_Occ_Age_15 = 614	1.140 (0.0434)
Father_Report_Occ_Age_15 = 621	0.414 (0.0225)
Father_Report_Occ_Age_15 = 623	2.549 (0.0229)
Father_Report_Occ_Age_15 = 631	2.107 (0.0197)
Father_Report_Occ_Age_15 = 633	2.202 (0.0214)
Father_Report_Occ_Age_15 = 635	-1.413 (0.0317)
Father_Report_Occ_Age_15 = 640	1.314 (0.0262)
Father_Report_Occ_Age_15 = 641	1.788 (0.0205)
Father_Report_Occ_Age_15 = 642	2.250 (0.0253)
Father_Report_Occ_Age_15 = 643	1.879 (0.0197)
Father_Report_Occ_Age_15 = 644	1.601 (0.0434)
Father_Report_Occ_Age_15 = 650	2.099 (0.0298)
Father_Report_Occ_Age_15 = 651	2.476 (0.0320)
Father_Report_Occ_Age_15 = 652	1.909 (0.0217)
Father_Report_Occ_Age_15 = 653	1.759 (0.0217)
Father_Report_Occ_Age_15 = 662	1.848 (0.0279)
Father_Report_Occ_Age_15 = 664	1.806 (0.0281)
Father_Report_Occ_Age_15 = 666	-0.0108 (0.0249)
Father_Report_Occ_Age_15 = 673	2.023 (0.0304)
Father_Report_Occ_Age_15 = 674	1.031 (0.0302)
Father_Report_Occ_Age_15 = 680	1.572 (0.0194)
Father_Report_Occ_Age_15 = 690	1.843 (0.0188)
Father_Report_Occ_Age_15 = 692	0.748 (0.0214)
Father_Report_Occ_Age_15 = 694	1.957 (0.0201)
Father_Report_Occ_Age_15 = 695	2.007 (0.0236)
Father_Report_Occ_Age_15 = 703	2.438 (0.0296)
Father_Report_Occ_Age_15 = 705	2.061 (0.0185)
Father_Report_Occ_Age_15 = 706	1.644 (0.0191)
Father_Report_Occ_Age_15 = 710	2.316 (0.0319)

Father_Report_Occ_Age_15 = 715	1.647 (0.0171)
Father_Report_Occ_Age_15 = 740	1.603 (0.0511)
Father_Report_Occ_Age_15 = 751	1.862 (0.0180)
Father_Report_Occ_Age_15 = 753	1.780 (0.0189)
Father_Report_Occ_Age_15 = 755	1.180 (0.0243)
Father_Report_Occ_Age_15 = 761	1.315 (0.0231)
Father_Report_Occ_Age_15 = 762	2.283 (0.0227)
Father_Report_Occ_Age_15 = 770	1.426 (0.0246)
Father_Report_Occ_Age_15 = 780	2.134 (0.0248)
Father_Report_Occ_Age_15 = 801	1.099 (0.0220)
Father_Report_Occ_Age_15 = 822	0.628 (0.0228)
Father_Report_Occ_Age_15 = 824	2.009 (0.0390)
Father_Report_Occ_Age_15 = 902	1.722 (0.0216)
Father_Report_Occ_Age_15 = 903	1.939 (0.0163)
Father_Report_Occ_Age_15 = 910	3.816 (0.0346)
Father_Report_Occ_Age_15 = 912	5.279 (0.0442)
Father_Report_Occ_Age_15 = 925	2.170 (0.0239)
Father_Report_Occ_Age_15 = 926	2.465 (0.0236)
Father_Report_Occ_Age_15 = 932, omitted	-
Father_Report_Occ_Age_15 = 950	1.907 (0.0280)
Father_Report_Occ_Age_15 = 961	1.958 (0.0204)
Father_Report_Occ_Age_15 = 962	1.905 (0.0195)
Father_Report_Occ_Age_15 = 964	1.999 (0.0186)
Father_Report_Occ_Age_15 = 999	0.780 (0.0220)
Father_Report_Ind_Age_15 = 17	-1.194 (0.0216)
Father_Report_Ind_Age_15 = 18	-1.621 (0.0316)
Father_Report_Ind_Age_15 = 19	-1.032 (0.0243)
Father_Report_Ind_Age_15 = 47	-1.431 (0.0234)
Father_Report_Ind_Age_15 = 48	-1.195 (0.0214)
Father_Report_Ind_Age_15 = 49	-0.810 (0.0376)

Father_Report_Ind_Age_15 = 57	-1.226 (0.0275)
Father_Report_Ind_Age_15 = 67	-1.403 (0.0176)
Father_Report_Ind_Age_15 = 68	-1.582 (0.0178)
Father_Report_Ind_Age_15 = 69	-1.255 (0.0163)
Father_Report_Ind_Age_15 = 77	-1.277 (0.0187)
Father_Report_Ind_Age_15 = 107	-1.125 (0.0218)
Father_Report_Ind_Age_15 = 108	-1.162 (0.0186)
Father_Report_Ind_Age_15 = 109	-0.511 (0.0213)
Father_Report_Ind_Age_15 = 118	-1.575 (0.0198)
Father_Report_Ind_Age_15 = 119	-1.617 (0.0283)
Father_Report_Ind_Age_15 = 127	-1.137 (0.0227)
Father_Report_Ind_Age_15 = 137	-1.634 (0.0365)
Father_Report_Ind_Age_15 = 138	-1.621 (0.0239)
Father_Report_Ind_Age_15 = 139	-1.018 (0.0289)
Father_Report_Ind_Age_15 = 147	-1.236 (0.0204)
Father_Report_Ind_Age_15 = 148	-0.456 (0.0280)
Father_Report_Ind_Age_15 = 149	-0.479 (0.0285)
Father_Report_Ind_Age_15 = 158	-1.594 (0.0195)
Father_Report_Ind_Age_15 = 168	-0.957 (0.0236)
Father_Report_Ind_Age_15 = 177	-1.296 (0.0188)
Father_Report_Ind_Age_15 = 178	-0.999 (0.0202)
Father_Report_Ind_Age_15 = 179	-0.968 (0.0190)
Father_Report_Ind_Age_15 = 187, omitted	-
Father_Report_Ind_Age_15 = 188	-1.220 (0.0189)
Father_Report_Ind_Age_15 = 189	-1.371 (0.0180)
Father_Report_Ind_Age_15 = 197	-1.327 (0.0192)
Father_Report_Ind_Age_15 = 198	-1.179 (0.0232)
Father_Report_Ind_Age_15 = 199, omitted	-
Father_Report_Ind_Age_15 = 207	-1.639 (0.0230)
Father_Report_Ind_Age_15 = 208	-1.370 (0.0179)

Father_Report_Ind_Age_15 = 209	-1.260 (0.0230)
Father_Report_Ind_Age_15 = 219	-1.471 (0.0179)
Father_Report_Ind_Age_15 = 227	-1.051 (0.0180)
Father_Report_Ind_Age_15 = 228	-1.470 (0.0198)
Father_Report_Ind_Age_15 = 229	-0.822 (0.0245)
Father_Report_Ind_Age_15 = 237	-1.073 (0.0289)
Father_Report_Ind_Age_15 = 247	-1.084 (0.0210)
Father_Report_Ind_Age_15 = 258	-1.515 (0.0280)
Father_Report_Ind_Age_15 = 259	-1.745 (0.0240)
Father_Report_Ind_Age_15 = 268	-1.367 (0.0184)
Father_Report_Ind_Age_15 = 269	-1.449 (0.0287)
Father_Report_Ind_Age_15 = 287	-1.423 (0.0213)
Father_Report_Ind_Age_15 = 289	-1.413 (0.0228)
Father_Report_Ind_Age_15 = 307, omitted	-
Father_Report_Ind_Age_15 = 317	-1.706 (0.0205)
Father_Report_Ind_Age_15 = 319	-1.534 (0.0214)
Father_Report_Ind_Age_15 = 327	-1.368 (0.0239)
Father_Report_Ind_Age_15 = 328	-1.253 (0.0208)
Father_Report_Ind_Age_15 = 329	-0.888 (0.0279)
Father_Report_Ind_Age_15 = 337	-1.405 (0.0235)
Father_Report_Ind_Age_15 = 338	-0.921 (0.0201)
Father_Report_Ind_Age_15 = 339	-1.075 (0.0182)
Father_Report_Ind_Age_15 = 347	-1.205 (0.0209)
Father_Report_Ind_Age_15 = 348	-1.718 (0.0229)
Father_Report_Ind_Age_15 = 357	-1.063 (0.0311)
Father_Report_Ind_Age_15 = 358	-1.444 (0.0226)
Father_Report_Ind_Age_15 = 359	-1.786 (0.0230)
Father_Report_Ind_Age_15 = 368	-1.159 (0.0231)
Father_Report_Ind_Age_15 = 369	-1.223 (0.0222)
Father_Report_Ind_Age_15 = 377	-1.175 (0.0214)

Father_Report_Ind_Age_15 = 379	-1.288 (0.0190)
Father_Report_Ind_Age_15 = 387	-1.725 (0.0217)
Father_Report_Ind_Age_15 = 388	-2.246 (0.0243)
Father_Report_Ind_Age_15 = 389	-2.058 (0.0232)
Father_Report_Ind_Age_15 = 398	-0.620 (0.0296)
Father_Report_Ind_Age_15 = 407	-1.496 (0.0201)
Father_Report_Ind_Age_15 = 408	-2.005 (0.0278)
Father_Report_Ind_Age_15 = 417	-1.035 (0.0172)
Father_Report_Ind_Age_15 = 427	-0.892 (0.0187)
Father_Report_Ind_Age_15 = 447	-2.051 (0.0217)
Father_Report_Ind_Age_15 = 448	-1.033 (0.0190)
Father_Report_Ind_Age_15 = 467	-1.185 (0.0195)
Father_Report_Ind_Age_15 = 468	-1.100 (0.0282)
Father_Report_Ind_Age_15 = 469	-1.684 (0.0241)
Father_Report_Ind_Age_15 = 477	-1.552 (0.0272)
Father_Report_Ind_Age_15 = 478	-1.851 (0.0232)
Father_Report_Ind_Age_15 = 479	-1.592 (0.0356)
Father_Report_Ind_Age_15 = 507	-1.050 (0.0214)
Father_Report_Ind_Age_15 = 508	-1.522 (0.0239)
Father_Report_Ind_Age_15 = 509	-1.382 (0.0271)
Father_Report_Ind_Age_15 = 527	-1.444 (0.0187)
Father_Report_Ind_Age_15 = 528	-0.845 (0.0213)
Father_Report_Ind_Age_15 = 529	-2.892 (0.0212)
Father_Report_Ind_Age_15 = 537	-1.151 (0.0208)
Father_Report_Ind_Age_15 = 538	-1.839 (0.0280)
Father_Report_Ind_Age_15 = 539	-1.412 (0.0188)
Father_Report_Ind_Age_15 = 558	0.103 (0.0289)
Father_Report_Ind_Age_15 = 559	-0.797 (0.0214)
Father_Report_Ind_Age_15 = 567	-1.228 (0.0221)
Father_Report_Ind_Age_15 = 568	-1.042 (0.0204)

Father_Report_Ind_Age_15 = 569	-0.972 (0.0247)
Father_Report_Ind_Age_15 = 587	-1.171 (0.0193)
Father_Report_Ind_Age_15 = 588	-1.639 (0.0293)
Father_Report_Ind_Age_15 = 607	-1.031 (0.0202)
Father_Report_Ind_Age_15 = 609	-1.166 (0.0239)
Father_Report_Ind_Age_15 = 617	-0.406 (0.0281)
Father_Report_Ind_Age_15 = 618	-1.887 (0.0228)
Father_Report_Ind_Age_15 = 627	-1.311 (0.0273)
Father_Report_Ind_Age_15 = 628	-1.583 (0.0179)
Father_Report_Ind_Age_15 = 637	-2.151 (0.0246)
Father_Report_Ind_Age_15 = 638	-2.134 (0.0232)
Father_Report_Ind_Age_15 = 639	-1.358 (0.0185)
Father_Report_Ind_Age_15 = 648	-2.129 (0.0242)
Father_Report_Ind_Age_15 = 649	-1.144 (0.0197)
Father_Report_Ind_Age_15 = 657	-1.251 (0.0272)
Father_Report_Ind_Age_15 = 658	-2.290 (0.0231)
Father_Report_Ind_Age_15 = 667, omitted	-
Father_Report_Ind_Age_15 = 668	-1.527 (0.0204)
Father_Report_Ind_Age_15 = 669	-2.971 (0.0276)
Father_Report_Ind_Age_15 = 677	-1.954 (0.0294)
Father_Report_Ind_Age_15 = 678	-1.973 (0.0272)
Father_Report_Ind_Age_15 = 679	-1.922 (0.0222)
Father_Report_Ind_Age_15 = 689	-1.256 (0.0267)
Father_Report_Ind_Age_15 = 697	-1.491 (0.0224)
Father_Report_Ind_Age_15 = 698	-0.406 (0.0275)
Father_Report_Ind_Age_15 = 707	-1.404 (0.0218)
Father_Report_Ind_Age_15 = 708	-1.565 (0.0243)
Father_Report_Ind_Age_15 = 709	-1.379 (0.0270)
Father_Report_Ind_Age_15 = 717	-0.919 (0.0187)
Father_Report_Ind_Age_15 = 718	-1.523 (0.0189)

Father_Report_Ind_Age_15 = 728	-1.336 (0.0277)
Father_Report_Ind_Age_15 = 738	-1.075 (0.0348)
Father_Report_Ind_Age_15 = 739	-1.225 (0.0214)
Father_Report_Ind_Age_15 = 747	-1.214 (0.0287)
Father_Report_Ind_Age_15 = 748	-1.910 (0.0225)
Father_Report_Ind_Age_15 = 757	-1.867 (0.0190)
Father_Report_Ind_Age_15 = 758	-1.021 (0.0302)
Father_Report_Ind_Age_15 = 759	-1.194 (0.0217)
Father_Report_Ind_Age_15 = 777	-3.727 (0.0383)
Father_Report_Ind_Age_15 = 778	-1.789 (0.0219)
Father_Report_Ind_Age_15 = 779	-1.765 (0.0186)
Father_Report_Ind_Age_15 = 798, omitted	-
Father_Report_Ind_Age_15 = 807, omitted	-
Father_Report_Ind_Age_15 = 809	-0.998 (0.0232)
Father_Report_Ind_Age_15 = 828	-1.239 (0.0229)
Father_Report_Ind_Age_15 = 829, omitted	-
Father_Report_Ind_Age_15 = 838	-1.673 (0.0181)
Father_Report_Ind_Age_15 = 839	-1.249 (0.0307)
Father_Report_Ind_Age_15 = 847, omitted	-
Father_Report_Ind_Age_15 = 848	-1.180 (0.0201)
Father_Report_Ind_Age_15 = 849	-1.038 (0.0261)
Father_Report_Ind_Age_15 = 857	-1.986 (0.0194)
Father_Report_Ind_Age_15 = 858	-1.380 (0.0178)
Father_Report_Ind_Age_15 = 867	-1.510 (0.0272)
Father_Report_Ind_Age_15 = 868	-1.674 (0.0274)
Father_Report_Ind_Age_15 = 869	-0.975 (0.0296)
Father_Report_Ind_Age_15 = 877	-1.656 (0.0198)
Father_Report_Ind_Age_15 = 878	-1.115 (0.0275)
Father_Report_Ind_Age_15 = 879	-1.603 (0.0275)
Father_Report_Ind_Age_15 = 887	-2.249 (0.0222)

Father_Report_Ind_Age_15 = 888	-1.131 (0.0187)
Father_Report_Ind_Age_15 = 889	-1.368 (0.0204)
Father_Report_Ind_Age_15 = 897	-1.075 (0.0461)
Father_Report_Ind_Age_15 = 907	-0.787 (0.0232)
Father_Report_Ind_Age_15 = 917	-1.193 (0.0177)
Father_Report_Ind_Age_15 = 927	-1.401 (0.0184)
Father_Report_Ind_Age_15 = 937	-1.256 (0.0188)
Father_Report_Ind_Age_15 = 999	-1.760 (0.0192)
Father_Age10_Dummies = 1	-0.792 (0.00424)
Father_Age10_Dummies = 2	-0.515 (0.00364)
Father_Age10_Dummies = 3	-0.259 (0.00355)
Father_Age10_Dummies = 4	-0.199 (0.00378)
Father_Age10_Dummies = 6	-0.0878 (0.00388)
Father_Age10_Dummies = 7	-0.288 (0.00378)
Father_Age10_Dummies = 8	0.0706 (0.00461)
Father_Age10_Dummies = 9	-0.975 (0.00618)
Constant	10.16 (0.00908)
Observations	498,987
R-squared	0.599

Model M5c. Time-average earnings as the first-stage dependent variable. Sons' recall of father's Z characteristics

VARIABLES	Beta (SE)
Father_Race = 2, Black	-0.241 (0.00169)
Father_Race = 3, American Indian	-0.454 (0.00678)
Father_Race = 4, Asian	-0.0688 (0.0106)
Father_Race = 5, Pacific Islander	-0.348 (0.0177)
Father_Race = 7, Other / Unknown	-0.0302 (0.00281)
Child_Report_Father_Ed = 1, Grades 1 - 5	-0.223 (0.00882)
Child_Report_Father_Ed = 2, Grades 6 - 8	-0.104 (0.00805)
Child_Report_Father_Ed = 3, Grades 9 - 11	0.00829 (0.00803)
Child_Report_Father_Ed = 4, Grade 12 (HS completion)	0.108 (0.00789)
Child_Report_Father_Ed = 5, Some college / associates degree	0.142 (0.00794)
Child_Report_Father_Ed = 6, College degree	0.501 (0.00803)
Child_Report_Father_Ed = 7, Advanced college degree	0.699 (0.00814)
Child_Report_Father_Ed = 10, 10	0.700 (0.00992)
Child_Report_Father_Occ_1970 = 2	0.388 (0.0160)
Child_Report_Father_Occ_1970 = 3	-0.245 (0.00941)
Child_Report_Father_Occ_1970 = 4	-0.135 (0.0111)
Child_Report_Father_Occ_1970 = 5	-0.149 (0.00989)
Child_Report_Father_Occ_1970 = 6	-0.287 (0.0105)
Child_Report_Father_Occ_1970 = 10	-0.415 (0.00879)
Child_Report_Father_Occ_1970 = 11	-0.0859 (0.00994)
Child_Report_Father_Occ_1970 = 12	-0.0252 (0.00740)
Child_Report_Father_Occ_1970 = 13	-0.0224 (0.0135)
Child_Report_Father_Occ_1970 = 14	-0.142 (0.00637)
Child_Report_Father_Occ_1970 = 23	0.204 (0.0130)
Child_Report_Father_Occ_1970 = 24	0.497 (0.0118)
Child_Report_Father_Occ_1970 = 31	0.251 (0.00681)
Child_Report_Father_Occ_1970 = 45	-0.0694 (0.0122)

Child_Report_Father_Occ_1970 = 53	0.201 (0.0142)
Child_Report_Father_Occ_1970 = 55	-0.155 (0.0164)
Child_Report_Father_Occ_1970 = 56	-0.0434 (0.0103)
Child_Report_Father_Occ_1970 = 62	-0.266 (0.0102)
Child_Report_Father_Occ_1970 = 64	0.409 (0.0170)
Child_Report_Father_Occ_1970 = 65	-0.159 (0.00686)
Child_Report_Father_Occ_1970 = 80	-0.386 (0.0168)
Child_Report_Father_Occ_1970 = 85	-0.309 (0.0120)
Child_Report_Father_Occ_1970 = 86	-0.182 (0.00694)
Child_Report_Father_Occ_1970 = 93	-0.215 (0.0166)
Child_Report_Father_Occ_1970 = 100	0.413 (0.0166)
Child_Report_Father_Occ_1970 = 111	0.207 (0.0176)
Child_Report_Father_Occ_1970 = 112	-0.0666 (0.0169)
Child_Report_Father_Occ_1970 = 123	0.615 (0.0167)
Child_Report_Father_Occ_1970 = 126	-0.177 (0.0161)
Child_Report_Father_Occ_1970 = 140	0.165 (0.0133)
Child_Report_Father_Occ_1970 = 142	-0.0899 (0.0118)
Child_Report_Father_Occ_1970 = 144	-0.0156 (0.00733)
Child_Report_Father_Occ_1970 = 145	0.00280 (0.0162)
Child_Report_Father_Occ_1970 = 150	-0.337 (0.0130)
Child_Report_Father_Occ_1970 = 152	-0.0914 (0.00899)
Child_Report_Father_Occ_1970 = 153	-0.0322 (0.0124)
Child_Report_Father_Occ_1970 = 163	0.423 (0.0172)
Child_Report_Father_Occ_1970 = 174	-0.517 (0.0167)
Child_Report_Father_Occ_1970 = 183	0.558 (0.0154)
Child_Report_Father_Occ_1970 = 184	-0.384 (0.0174)
Child_Report_Father_Occ_1970 = 185	0.129 (0.0192)
Child_Report_Father_Occ_1970 = 190	-0.384 (0.0184)
Child_Report_Father_Occ_1970 = 191	-0.0592 (0.0158)
Child_Report_Father_Occ_1970 = 192	-0.316 (0.0161)

Child_Report_Father_Occ_1970 = 195	-0.0725 (0.0155)
Child_Report_Father_Occ_1970 = 202	0.00449 (0.00698)
Child_Report_Father_Occ_1970 = 203	0.424 (0.0155)
Child_Report_Father_Occ_1970 = 211	0.0445 (0.0151)
Child_Report_Father_Occ_1970 = 212	-0.243 (0.0177)
Child_Report_Father_Occ_1970 = 215	0.265 (0.0161)
Child_Report_Father_Occ_1970 = 220	-0.313 (0.00963)
Child_Report_Father_Occ_1970 = 222	-0.167 (0.00897)
Child_Report_Father_Occ_1970 = 225	-0.289 (0.0107)
Child_Report_Father_Occ_1970 = 226	0.418 (0.0168)
Child_Report_Father_Occ_1970 = 230	-0.346 (0.00927)
Child_Report_Father_Occ_1970 = 233	0.0569 (0.00892)
Child_Report_Father_Occ_1970 = 235	0.102 (0.0172)
Child_Report_Father_Occ_1970 = 240	0.0223 (0.00772)
Child_Report_Father_Occ_1970 = 245	-0.0673 (0.00438)
Child_Report_Father_Occ_1970 = 265	-0.317 (0.00645)
Child_Report_Father_Occ_1970 = 270	-0.103 (0.0105)
Child_Report_Father_Occ_1970 = 281	0.269 (0.00721)
Child_Report_Father_Occ_1970 = 282	0.118 (0.00629)
Child_Report_Father_Occ_1970 = 283	-0.00902 (0.00630)
Child_Report_Father_Occ_1970 = 284	-0.00708 (0.00713)
Child_Report_Father_Occ_1970 = 285	0.0434 (0.0120)
Child_Report_Father_Occ_1970 = 301	0.131 (0.0164)
Child_Report_Father_Occ_1970 = 305	0.0411 (0.0188)
Child_Report_Father_Occ_1970 = 310	0.126 (0.0180)
Child_Report_Father_Occ_1970 = 312	-0.245 (0.0161)
Child_Report_Father_Occ_1970 = 321	0.259 (0.0160)
Child_Report_Father_Occ_1970 = 326	-0.181 (0.0161)
Child_Report_Father_Occ_1970 = 331	-0.107 (0.00687)
Child_Report_Father_Occ_1970 = 332	-0.00846 (0.0160)

Child_Report_Father_Occ_1970 = 333	0.505 (0.0150)
Child_Report_Father_Occ_1970 = 343	0.483 (0.0221)
Child_Report_Father_Occ_1970 = 361	-0.308 (0.0132)
Child_Report_Father_Occ_1970 = 363	-0.271 (0.0182)
Child_Report_Father_Occ_1970 = 374	-0.0839 (0.00907)
Child_Report_Father_Occ_1970 = 381	0.0936 (0.0163)
Child_Report_Father_Occ_1970 = 390	-0.0466 (0.0134)
Child_Report_Father_Occ_1970 = 410	-0.412 (0.00861)
Child_Report_Father_Occ_1970 = 412	-0.544 (0.00933)
Child_Report_Father_Occ_1970 = 413	-0.147 (0.0194)
Child_Report_Father_Occ_1970 = 415	-0.0418 (0.00528)
Child_Report_Father_Occ_1970 = 420	-0.476 (0.0172)
Child_Report_Father_Occ_1970 = 422	0.459 (0.0110)
Child_Report_Father_Occ_1970 = 424	0.0715 (0.00913)
Child_Report_Father_Occ_1970 = 426	0.389 (0.0122)
Child_Report_Father_Occ_1970 = 430	-0.331 (0.00817)
Child_Report_Father_Occ_1970 = 433	0.0282 (0.00822)
Child_Report_Father_Occ_1970 = 436	-0.528 (0.00880)
Child_Report_Father_Occ_1970 = 441	-0.152 (0.00572)
Child_Report_Father_Occ_1970 = 452	0.335 (0.0153)
Child_Report_Father_Occ_1970 = 454	-0.355 (0.0130)
Child_Report_Father_Occ_1970 = 455	-0.265 (0.0119)
Child_Report_Father_Occ_1970 = 461	-0.272 (0.00603)
Child_Report_Father_Occ_1970 = 470	0.103 (0.00965)
Child_Report_Father_Occ_1970 = 471	-0.491 (0.0118)
Child_Report_Father_Occ_1970 = 472	-0.152 (0.0122)
Child_Report_Father_Occ_1970 = 473	-0.133 (0.00526)
Child_Report_Father_Occ_1970 = 475	0.170 (0.0171)
Child_Report_Father_Occ_1970 = 480	-1.926 (0.0136)
Child_Report_Father_Occ_1970 = 481	0.148 (0.0105)

Child_Report_Father_Occ_1970 = 482	-0.244 (0.0123)
Child_Report_Father_Occ_1970 = 483	0.130 (0.0196)
Child_Report_Father_Occ_1970 = 484	-0.311 (0.0193)
Child_Report_Father_Occ_1970 = 485	-0.537 (0.0221)
Child_Report_Father_Occ_1970 = 492	-0.932 (0.0217)
Child_Report_Father_Occ_1970 = 495	-0.625 (0.0171)
Child_Report_Father_Occ_1970 = 502	-0.0958 (0.00841)
Child_Report_Father_Occ_1970 = 510	-0.539 (0.0121)
Child_Report_Father_Occ_1970 = 516	-0.266 (0.0148)
Child_Report_Father_Occ_1970 = 522	-0.258 (0.00708)
Child_Report_Father_Occ_1970 = 530	-0.111 (0.00893)
Child_Report_Father_Occ_1970 = 534	-0.482 (0.0121)
Child_Report_Father_Occ_1970 = 535	0.0544 (0.0172)
Child_Report_Father_Occ_1970 = 540	0.260 (0.0163)
Child_Report_Father_Occ_1970 = 542	0.651 (0.0168)
Child_Report_Father_Occ_1970 = 545	-0.666 (0.0125)
Child_Report_Father_Occ_1970 = 551	-0.0383 (0.0108)
Child_Report_Father_Occ_1970 = 554	0.233 (0.0130)
Child_Report_Father_Occ_1970 = 561	0.668 (0.0137)
Child_Report_Father_Occ_1970 = 563	-0.149 (0.0102)
Child_Report_Father_Occ_1970 = 575	-0.315 (0.0181)
Child_Report_Father_Occ_1970 = 600	-0.0993 (0.00484)
Child_Report_Father_Occ_1970 = 602	-0.146 (0.00622)
Child_Report_Father_Occ_1970 = 604	-0.619 (0.0168)
Child_Report_Father_Occ_1970 = 610	-0.167 (0.0125)
Child_Report_Father_Occ_1970 = 611	0.189 (0.0135)
Child_Report_Father_Occ_1970 = 614	-0.594 (0.0200)
Child_Report_Father_Occ_1970 = 615	0.126 (0.0149)
Child_Report_Father_Occ_1970 = 622	-0.399 (0.0199)
Child_Report_Father_Occ_1970 = 623	-0.427 (0.0163)

Child_Report_Father_Occ_1970 = 630	0.250 (0.0178)
Child_Report_Father_Occ_1970 = 631	-0.127 (0.0102)
Child_Report_Father_Occ_1970 = 633	0.0156 (0.00908)
Child_Report_Father_Occ_1970 = 640	-0.213 (0.00729)
Child_Report_Father_Occ_1970 = 642	0.0917 (0.0154)
Child_Report_Father_Occ_1970 = 643	-0.683 (0.0161)
Child_Report_Father_Occ_1970 = 644	0.211 (0.0124)
Child_Report_Father_Occ_1970 = 645	0.129 (0.0169)
Child_Report_Father_Occ_1970 = 653	0.0347 (0.0163)
Child_Report_Father_Occ_1970 = 662	-0.190 (0.0130)
Child_Report_Father_Occ_1970 = 666	-0.498 (0.0252)
Child_Report_Father_Occ_1970 = 673	0.0484 (0.0165)
Child_Report_Father_Occ_1970 = 674	0.572 (0.0162)
Child_Report_Father_Occ_1970 = 680	-0.356 (0.00636)
Child_Report_Father_Occ_1970 = 690	-0.293 (0.00811)
Child_Report_Father_Occ_1970 = 692	-0.225 (0.00755)
Child_Report_Father_Occ_1970 = 694	-0.0868 (0.00807)
Child_Report_Father_Occ_1970 = 695	-0.138 (0.00515)
Child_Report_Father_Occ_1970 = 703	-0.282 (0.00891)
Child_Report_Father_Occ_1970 = 705	-0.138 (0.00685)
Child_Report_Father_Occ_1970 = 706	-0.0507 (0.0104)
Child_Report_Father_Occ_1970 = 714	0.634 (0.0185)
Child_Report_Father_Occ_1970 = 715	-0.0988 (0.00476)
Child_Report_Father_Occ_1970 = 751	-0.137 (0.00550)
Child_Report_Father_Occ_1970 = 752	-0.241 (0.0163)
Child_Report_Father_Occ_1970 = 753	-0.197 (0.00754)
Child_Report_Father_Occ_1970 = 755	-0.587 (0.00732)
Child_Report_Father_Occ_1970 = 760	-1.233 (0.0176)
Child_Report_Father_Occ_1970 = 761	-0.282 (0.00722)
Child_Report_Father_Occ_1970 = 762	-0.494 (0.0178)

Child_Report_Father_Occ_1970 = 763	-0.0699 (0.0122)
Child_Report_Father_Occ_1970 = 770	-0.359 (0.0170)
Child_Report_Father_Occ_1970 = 780	-0.192 (0.00700)
Child_Report_Father_Occ_1970 = 785	0.0861 (0.00751)
Child_Report_Father_Occ_1970 = 801	-0.108 (0.00464)
Child_Report_Father_Occ_1970 = 802	0.0503 (0.0164)
Child_Report_Father_Occ_1970 = 821	-0.0942 (0.0165)
Child_Report_Father_Occ_1970 = 822	-0.335 (0.00620)
Child_Report_Father_Occ_1970 = 902	-0.320 (0.0158)
Child_Report_Father_Occ_1970 = 903	-0.120 (0.00593)
Child_Report_Father_Occ_1970 = 910	-0.0920 (0.0173)
Child_Report_Father_Occ_1970 = 912	0.0201 (0.0160)
Child_Report_Father_Occ_1970 = 925	-0.0718 (0.0104)
Child_Report_Father_Occ_1970 = 961	0.0223 (0.00703)
Child_Report_Father_Occ_1970 = 962	-0.304 (0.00698)
Child_Report_Father_Occ_1970 = 964	-0.0965 (0.00666)
Child_Report_Father_Ind = 19	0.453 (0.0116)
Child_Report_Father_Ind = 27	0.459 (0.0138)
Child_Report_Father_Ind = 47	0.730 (0.0118)
Child_Report_Father_Ind = 48	0.577 (0.00674)
Child_Report_Father_Ind = 49	0.556 (0.0125)
Child_Report_Father_Ind = 57	0.523 (0.0114)
Child_Report_Father_Ind = 67	0.337 (0.00339)
Child_Report_Father_Ind = 68	0.287 (0.00439)
Child_Report_Father_Ind = 69	0.461 (0.00360)
Child_Report_Father_Ind = 77	0.496 (0.00638)
Child_Report_Father_Ind = 107	0.304 (0.00514)
Child_Report_Father_Ind = 108	0.410 (0.00515)
Child_Report_Father_Ind = 118	0.452 (0.00654)
Child_Report_Father_Ind = 119	0.337 (0.0110)

Child_Report_Father_Ind = 127	-0.208 (0.00996)
Child_Report_Father_Ind = 138	0.270 (0.0155)
Child_Report_Father_Ind = 139	0.818 (0.0119)
Child_Report_Father_Ind = 147	0.351 (0.00868)
Child_Report_Father_Ind = 148	0.113 (0.0158)
Child_Report_Father_Ind = 149	0.665 (0.0196)
Child_Report_Father_Ind = 157	0.814 (0.0181)
Child_Report_Father_Ind = 158	0.437 (0.0119)
Child_Report_Father_Ind = 168	-0.252 (0.0137)
Child_Report_Father_Ind = 169	0.475 (0.0122)
Child_Report_Father_Ind = 177	0.664 (0.00849)
Child_Report_Father_Ind = 178	0.626 (0.00726)
Child_Report_Father_Ind = 179	0.215 (0.00959)
Child_Report_Father_Ind = 187	0.503 (0.0115)
Child_Report_Father_Ind = 188	0.629 (0.00875)
Child_Report_Father_Ind = 189	0.336 (0.00970)
Child_Report_Father_Ind = 197	0.386 (0.00558)
Child_Report_Father_Ind = 198	0.293 (0.0158)
Child_Report_Father_Ind = 199	0.375 (0.00722)
Child_Report_Father_Ind = 207	0.626 (0.0155)
Child_Report_Father_Ind = 208	0.504 (0.00677)
Child_Report_Father_Ind = 209	0.706 (0.00779)
Child_Report_Father_Ind = 219	0.680 (0.00416)
Child_Report_Father_Ind = 227	0.722 (0.00537)
Child_Report_Father_Ind = 228	0.341 (0.00797)
Child_Report_Father_Ind = 237	0.404 (0.0169)
Child_Report_Father_Ind = 247, omitted	-
Child_Report_Father_Ind = 248	0.188 (0.0192)
Child_Report_Father_Ind = 258	0.418 (0.0162)
Child_Report_Father_Ind = 259	0.375 (0.0203)

Child_Report_Father_Ind = 268	0.774 (0.00488)
Child_Report_Father_Ind = 269	0.267 (0.00924)
Child_Report_Father_Ind = 287	0.209 (0.00763)
Child_Report_Father_Ind = 289	0.377 (0.00623)
Child_Report_Father_Ind = 317	0.187 (0.00698)
Child_Report_Father_Ind = 319	0.508 (0.00850)
Child_Report_Father_Ind = 327	0.470 (0.0157)
Child_Report_Father_Ind = 328	0.636 (0.00693)
Child_Report_Father_Ind = 337	0.129 (0.00954)
Child_Report_Father_Ind = 338	1.198 (0.00641)
Child_Report_Father_Ind = 339	0.716 (0.00697)
Child_Report_Father_Ind = 347	0.185 (0.0158)
Child_Report_Father_Ind = 357	0.435 (0.0105)
Child_Report_Father_Ind = 358	0.402 (0.00801)
Child_Report_Father_Ind = 359	0.502 (0.0195)
Child_Report_Father_Ind = 367	0.475 (0.0167)
Child_Report_Father_Ind = 369	0.437 (0.00993)
Child_Report_Father_Ind = 377	0.917 (0.0119)
Child_Report_Father_Ind = 379	0.553 (0.00655)
Child_Report_Father_Ind = 387	0.256 (0.0114)
Child_Report_Father_Ind = 388	0.329 (0.0118)
Child_Report_Father_Ind = 389	-0.342 (0.00928)
Child_Report_Father_Ind = 398	0.482 (0.00468)
Child_Report_Father_Ind = 407	0.465 (0.00531)
Child_Report_Father_Ind = 408	0.272 (0.00797)
Child_Report_Father_Ind = 409	0.129 (0.0239)
Child_Report_Father_Ind = 417	0.480 (0.00367)
Child_Report_Father_Ind = 419	-0.0987 (0.0182)
Child_Report_Father_Ind = 427	0.675 (0.0122)
Child_Report_Father_Ind = 429	0.775 (0.0154)

Child_Report_Father_Ind = 447	0.685 (0.0153)
Child_Report_Father_Ind = 448	0.698 (0.00528)
Child_Report_Father_Ind = 449	0.223 (0.0133)
Child_Report_Father_Ind = 467	0.633 (0.00533)
Child_Report_Father_Ind = 468	0.942 (0.0155)
Child_Report_Father_Ind = 469	0.148 (0.0167)
Child_Report_Father_Ind = 477	0.0174 (0.00935)
Child_Report_Father_Ind = 478	0.461 (0.00972)
Child_Report_Father_Ind = 479	0.152 (0.0157)
Child_Report_Father_Ind = 507	0.284 (0.0158)
Child_Report_Father_Ind = 508	0.908 (0.0129)
Child_Report_Father_Ind = 509	1.013 (0.0158)
Child_Report_Father_Ind = 527	0.628 (0.00964)
Child_Report_Father_Ind = 528	0.273 (0.0151)
Child_Report_Father_Ind = 529	-0.273 (0.0167)
Child_Report_Father_Ind = 539	0.436 (0.0130)
Child_Report_Father_Ind = 558	0.559 (0.0105)
Child_Report_Father_Ind = 559	-0.137 (0.00927)
Child_Report_Father_Ind = 567	0.416 (0.0121)
Child_Report_Father_Ind = 569	0.508 (0.00682)
Child_Report_Father_Ind = 587	0.753 (0.00695)
Child_Report_Father_Ind = 588	1.462 (0.0171)
Child_Report_Father_Ind = 607	0.393 (0.00978)
Child_Report_Father_Ind = 608	0.208 (0.00690)
Child_Report_Father_Ind = 609	0.557 (0.00943)
Child_Report_Father_Ind = 617	0.774 (0.0122)
Child_Report_Father_Ind = 618	-0.400 (0.0160)
Child_Report_Father_Ind = 627	0.0911 (0.0162)
Child_Report_Father_Ind = 628	0.380 (0.00463)
Child_Report_Father_Ind = 637	-0.0747 (0.0182)

Child_Report_Father_Ind = 638	0.343 (0.0107)
Child_Report_Father_Ind = 639	0.557 (0.00648)
Child_Report_Father_Ind = 647	0.214 (0.0124)
Child_Report_Father_Ind = 648	0.0737 (0.0112)
Child_Report_Father_Ind = 649	0.351 (0.0113)
Child_Report_Father_Ind = 657	0.669 (0.0105)
Child_Report_Father_Ind = 658	0.0543 (0.0169)
Child_Report_Father_Ind = 667	-0.0736 (0.0116)
Child_Report_Father_Ind = 668	-0.273 (0.0161)
Child_Report_Father_Ind = 669	0.667 (0.00776)
Child_Report_Father_Ind = 677	0.00192 (0.00673)
Child_Report_Father_Ind = 679	-0.0128 (0.0174)
Child_Report_Father_Ind = 688	-0.0258 (0.0164)
Child_Report_Father_Ind = 689	1.017 (0.0159)
Child_Report_Father_Ind = 697	0.402 (0.00723)
Child_Report_Father_Ind = 698	1.300 (0.0129)
Child_Report_Father_Ind = 707	0.283 (0.00845)
Child_Report_Father_Ind = 708	-0.143 (0.0122)
Child_Report_Father_Ind = 709	0.000466 (0.0133)
Child_Report_Father_Ind = 717	0.707 (0.00547)
Child_Report_Father_Ind = 718	0.541 (0.00611)
Child_Report_Father_Ind = 727	0.711 (0.00927)
Child_Report_Father_Ind = 738	0.528 (0.0167)
Child_Report_Father_Ind = 739	0.601 (0.00859)
Child_Report_Father_Ind = 748, omitted	-
Child_Report_Father_Ind = 749	0.563 (0.0165)
Child_Report_Father_Ind = 757	0.124 (0.00365)
Child_Report_Father_Ind = 758	0.474 (0.0192)
Child_Report_Father_Ind = 759	0.242 (0.0106)
Child_Report_Father_Ind = 777	-0.0852 (0.0156)

Child_Report_Father_Ind = 779	0.373 (0.00720)
Child_Report_Father_Ind = 788, omitted	-
Child_Report_Father_Ind = 798, omitted	-
Child_Report_Father_Ind = 807	0.397 (0.0115)
Child_Report_Father_Ind = 809	-0.312 (0.0114)
Child_Report_Father_Ind = 828	1.221 (0.00947)
Child_Report_Father_Ind = 829	0.186 (0.0102)
Child_Report_Father_Ind = 838	0.237 (0.00644)
Child_Report_Father_Ind = 839	0.653 (0.0155)
Child_Report_Father_Ind = 848	0.478 (0.00708)
Child_Report_Father_Ind = 849	0.368 (0.0106)
Child_Report_Father_Ind = 857	0.171 (0.00386)
Child_Report_Father_Ind = 858	0.309 (0.00509)
Child_Report_Father_Ind = 867	-0.139 (0.0172)
Child_Report_Father_Ind = 877	0.337 (0.00567)
Child_Report_Father_Ind = 878	0.237 (0.0167)
Child_Report_Father_Ind = 887	0.243 (0.0157)
Child_Report_Father_Ind = 888	0.585 (0.00569)
Child_Report_Father_Ind = 889	0.500 (0.00820)
Child_Report_Father_Ind = 897	0.0226 (0.0122)
Child_Report_Father_Ind = 907	0.346 (0.00476)
Child_Report_Father_Ind = 917	0.428 (0.00343)
Child_Report_Father_Ind = 927	0.343 (0.00688)
Child_Report_Father_Ind = 937	0.335 (0.00414)
Constant	10.43 (0.00892)
Observations	500,000
R-squared	0.629

Model M5d. Father's earnings in 1980 as the first-stage dependent variable. Sons' recall of father's Z characteristics

VARIABLES	Beta (SE)
Father_Race = 2, Black	-0.303 (0.00258)
Father_Race = 3, American Indian	-0.514 (0.0103)
Father_Race = 4, Asian	-0.218 (0.0160)
Father_Race = 5, Pacific Islander	0.127 (0.0266)
Father_Race = 7, Other / Unknown	0.0410 (0.00435)
Child_Report_Father_Ed = 1, Grades 1 - 5	0.0844 (0.0134)
Child_Report_Father_Ed = 2, Grades 6 - 8	-0.0949 (0.0121)
Child_Report_Father_Ed = 3, Grades 9 - 11	0.169 (0.0122)
Child_Report_Father_Ed = 4, Grade 12 (HS completion)	0.200 (0.0120)
Child_Report_Father_Ed = 5, Some college / associates degree	0.308 (0.0121)
Child_Report_Father_Ed = 6, College degree	0.532 (0.0122)
Child_Report_Father_Ed = 7, Advanced college degree	0.691 (0.0124)
Child_Report_Father_Ed = 10, 10	0.124 (0.0150)
Child_Report_Father_Occ_1970 = 2	0.776 (0.0245)
Child_Report_Father_Occ_1970 = 3	-0.0111 (0.0142)
Child_Report_Father_Occ_1970 = 4	0.128 (0.0168)
Child_Report_Father_Occ_1970 = 5	-0.442 (0.0150)
Child_Report_Father_Occ_1970 = 6	-0.517 (0.0158)
Child_Report_Father_Occ_1970 = 10	-0.766 (0.0133)
Child_Report_Father_Occ_1970 = 11	-0.338 (0.0150)
Child_Report_Father_Occ_1970 = 12	-0.507 (0.0112)
Child_Report_Father_Occ_1970 = 13	0.176 (0.0203)
Child_Report_Father_Occ_1970 = 14	-0.0902 (0.00960)
Child_Report_Father_Occ_1970 = 23	0.233 (0.0196)
Child_Report_Father_Occ_1970 = 24	0.929 (0.0180)
Child_Report_Father_Occ_1970 = 31	0.165 (0.0103)
Child_Report_Father_Occ_1970 = 45	0.470 (0.0184)

Child_Report_Father_Occ_1970 = 53	0.0787 (0.0213)
Child_Report_Father_Occ_1970 = 55	-1.581 (0.0248)
Child_Report_Father_Occ_1970 = 56	0.0762 (0.0156)
Child_Report_Father_Occ_1970 = 62	-0.255 (0.0155)
Child_Report_Father_Occ_1970 = 64	0.273 (0.0257)
Child_Report_Father_Occ_1970 = 65	-0.564 (0.0104)
Child_Report_Father_Occ_1970 = 80	-0.552 (0.0252)
Child_Report_Father_Occ_1970 = 85	0.263 (0.0181)
Child_Report_Father_Occ_1970 = 86	-0.0706 (0.0105)
Child_Report_Father_Occ_1970 = 93	-0.233 (0.0251)
Child_Report_Father_Occ_1970 = 100	0.356 (0.0250)
Child_Report_Father_Occ_1970 = 111	-0.246 (0.0266)
Child_Report_Father_Occ_1970 = 112	-0.124 (0.0256)
Child_Report_Father_Occ_1970 = 123	0.245 (0.0255)
Child_Report_Father_Occ_1970 = 126	-0.0672 (0.0244)
Child_Report_Father_Occ_1970 = 140	-0.153 (0.0202)
Child_Report_Father_Occ_1970 = 142	-0.293 (0.0178)
Child_Report_Father_Occ_1970 = 144	0.194 (0.0112)
Child_Report_Father_Occ_1970 = 145	-0.122 (0.0244)
Child_Report_Father_Occ_1970 = 150	-0.353 (0.0195)
Child_Report_Father_Occ_1970 = 152	-0.892 (0.0136)
Child_Report_Father_Occ_1970 = 153	0.132 (0.0188)
Child_Report_Father_Occ_1970 = 163	0.997 (0.0259)
Child_Report_Father_Occ_1970 = 174	0.206 (0.0252)
Child_Report_Father_Occ_1970 = 183	0.471 (0.0233)
Child_Report_Father_Occ_1970 = 184	0.330 (0.0265)
Child_Report_Father_Occ_1970 = 185	-0.0855 (0.0289)
Child_Report_Father_Occ_1970 = 190	0.314 (0.0277)
Child_Report_Father_Occ_1970 = 191	-0.240 (0.0239)
Child_Report_Father_Occ_1970 = 192	-0.372 (0.0243)

Child_Report_Father_Occ_1970 = 195	-0.126 (0.0233)
Child_Report_Father_Occ_1970 = 202	0.107 (0.0105)
Child_Report_Father_Occ_1970 = 203	0.492 (0.0235)
Child_Report_Father_Occ_1970 = 211	-0.783 (0.0229)
Child_Report_Father_Occ_1970 = 212	-0.547 (0.0267)
Child_Report_Father_Occ_1970 = 215	0.762 (0.0242)
Child_Report_Father_Occ_1970 = 220	-0.678 (0.0145)
Child_Report_Father_Occ_1970 = 222	0.0352 (0.0136)
Child_Report_Father_Occ_1970 = 225	-0.226 (0.0163)
Child_Report_Father_Occ_1970 = 226	0.379 (0.0253)
Child_Report_Father_Occ_1970 = 230	-0.292 (0.0140)
Child_Report_Father_Occ_1970 = 233	0.224 (0.0135)
Child_Report_Father_Occ_1970 = 235	0.373 (0.0260)
Child_Report_Father_Occ_1970 = 240	0.00268 (0.0116)
Child_Report_Father_Occ_1970 = 245	-0.00484 (0.00664)
Child_Report_Father_Occ_1970 = 265	-0.271 (0.00973)
Child_Report_Father_Occ_1970 = 270	-0.0823 (0.0158)
Child_Report_Father_Occ_1970 = 281	-0.294 (0.0109)
Child_Report_Father_Occ_1970 = 282	0.189 (0.00948)
Child_Report_Father_Occ_1970 = 283	0.0337 (0.00954)
Child_Report_Father_Occ_1970 = 284	-0.261 (0.0107)
Child_Report_Father_Occ_1970 = 285	0.0178 (0.0181)
Child_Report_Father_Occ_1970 = 301	0.410 (0.0246)
Child_Report_Father_Occ_1970 = 305	-0.323 (0.0284)
Child_Report_Father_Occ_1970 = 310	-0.0780 (0.0273)
Child_Report_Father_Occ_1970 = 312	-0.216 (0.0241)
Child_Report_Father_Occ_1970 = 321	0.660 (0.0242)
Child_Report_Father_Occ_1970 = 326	-0.187 (0.0242)
Child_Report_Father_Occ_1970 = 331	-0.168 (0.0103)
Child_Report_Father_Occ_1970 = 332	-0.242 (0.0241)

Child_Report_Father_Occ_1970 = 333	0.187 (0.0226)
Child_Report_Father_Occ_1970 = 343	0.0944 (0.0333)
Child_Report_Father_Occ_1970 = 361	0.131 (0.0200)
Child_Report_Father_Occ_1970 = 363	-0.291 (0.0274)
Child_Report_Father_Occ_1970 = 374	-0.0932 (0.0137)
Child_Report_Father_Occ_1970 = 381	-0.224 (0.0246)
Child_Report_Father_Occ_1970 = 390	-0.297 (0.0203)
Child_Report_Father_Occ_1970 = 410	-1.159 (0.0131)
Child_Report_Father_Occ_1970 = 412	-0.682 (0.0142)
Child_Report_Father_Occ_1970 = 413	-0.838 (0.0293)
Child_Report_Father_Occ_1970 = 415	0.180 (0.00800)
Child_Report_Father_Occ_1970 = 420	-0.308 (0.0260)
Child_Report_Father_Occ_1970 = 422	0.499 (0.0167)
Child_Report_Father_Occ_1970 = 424	0.373 (0.0138)
Child_Report_Father_Occ_1970 = 426	0.418 (0.0183)
Child_Report_Father_Occ_1970 = 430	0.0656 (0.0123)
Child_Report_Father_Occ_1970 = 433	-0.00557 (0.0124)
Child_Report_Father_Occ_1970 = 436	-0.455 (0.0133)
Child_Report_Father_Occ_1970 = 441	-0.397 (0.00867)
Child_Report_Father_Occ_1970 = 452	0.190 (0.0232)
Child_Report_Father_Occ_1970 = 454	-0.385 (0.0197)
Child_Report_Father_Occ_1970 = 455	0.00668 (0.0178)
Child_Report_Father_Occ_1970 = 461	-0.126 (0.00918)
Child_Report_Father_Occ_1970 = 470	-0.156 (0.0146)
Child_Report_Father_Occ_1970 = 471	-0.0604 (0.0179)
Child_Report_Father_Occ_1970 = 472	0.171 (0.0184)
Child_Report_Father_Occ_1970 = 473	0.0391 (0.00802)
Child_Report_Father_Occ_1970 = 475	-0.0327 (0.0258)
Child_Report_Father_Occ_1970 = 480	-1.995 (0.0206)
Child_Report_Father_Occ_1970 = 481	-0.0141 (0.0158)

Child_Report_Father_Occ_1970 = 482	-0.142 (0.0186)
Child_Report_Father_Occ_1970 = 483	0.179 (0.0294)
Child_Report_Father_Occ_1970 = 484	-0.431 (0.0292)
Child_Report_Father_Occ_1970 = 485	-0.921 (0.0335)
Child_Report_Father_Occ_1970 = 492	-1.171 (0.0325)
Child_Report_Father_Occ_1970 = 495	-0.839 (0.0257)
Child_Report_Father_Occ_1970 = 502	0.197 (0.0127)
Child_Report_Father_Occ_1970 = 510	-0.190 (0.0183)
Child_Report_Father_Occ_1970 = 516	-0.667 (0.0223)
Child_Report_Father_Occ_1970 = 522	-0.0619 (0.0108)
Child_Report_Father_Occ_1970 = 530	-0.681 (0.0135)
Child_Report_Father_Occ_1970 = 534	-0.0303 (0.0182)
Child_Report_Father_Occ_1970 = 535	0.0275 (0.0258)
Child_Report_Father_Occ_1970 = 540	-0.0505 (0.0247)
Child_Report_Father_Occ_1970 = 542	0.744 (0.0254)
Child_Report_Father_Occ_1970 = 545	0.231 (0.0189)
Child_Report_Father_Occ_1970 = 551	0.147 (0.0163)
Child_Report_Father_Occ_1970 = 554	0.491 (0.0197)
Child_Report_Father_Occ_1970 = 561	0.463 (0.0206)
Child_Report_Father_Occ_1970 = 563	0.0819 (0.0154)
Child_Report_Father_Occ_1970 = 575	0.0301 (0.0274)
Child_Report_Father_Occ_1970 = 600	-0.0155 (0.00733)
Child_Report_Father_Occ_1970 = 602	-0.0539 (0.00942)
Child_Report_Father_Occ_1970 = 604	-0.434 (0.0253)
Child_Report_Father_Occ_1970 = 610	-0.372 (0.0188)
Child_Report_Father_Occ_1970 = 611	0.734 (0.0204)
Child_Report_Father_Occ_1970 = 614	-0.858 (0.0301)
Child_Report_Father_Occ_1970 = 615	-0.0248 (0.0225)
Child_Report_Father_Occ_1970 = 622	-1.647 (0.0302)
Child_Report_Father_Occ_1970 = 623	-0.368 (0.0245)

Child_Report_Father_Occ_1970 = 630	-0.952 (0.0268)
Child_Report_Father_Occ_1970 = 631	0.146 (0.0153)
Child_Report_Father_Occ_1970 = 633	0.358 (0.0137)
Child_Report_Father_Occ_1970 = 640	-0.208 (0.0110)
Child_Report_Father_Occ_1970 = 642	0.266 (0.0232)
Child_Report_Father_Occ_1970 = 643	-0.371 (0.0243)
Child_Report_Father_Occ_1970 = 644	0.153 (0.0188)
Child_Report_Father_Occ_1970 = 645	0.237 (0.0254)
Child_Report_Father_Occ_1970 = 653	-0.165 (0.0247)
Child_Report_Father_Occ_1970 = 662	-0.258 (0.0195)
Child_Report_Father_Occ_1970 = 666	-3.103 (0.0383)
Child_Report_Father_Occ_1970 = 673	0.0967 (0.0248)
Child_Report_Father_Occ_1970 = 674	0.800 (0.0245)
Child_Report_Father_Occ_1970 = 680	-0.473 (0.00959)
Child_Report_Father_Occ_1970 = 690	-0.218 (0.0122)
Child_Report_Father_Occ_1970 = 692	-0.225 (0.0114)
Child_Report_Father_Occ_1970 = 694	-0.178 (0.0122)
Child_Report_Father_Occ_1970 = 695	-0.196 (0.00778)
Child_Report_Father_Occ_1970 = 703	-0.325 (0.0134)
Child_Report_Father_Occ_1970 = 705	-0.00282 (0.0104)
Child_Report_Father_Occ_1970 = 706	0.0905 (0.0157)
Child_Report_Father_Occ_1970 = 714	1.433 (0.0278)
Child_Report_Father_Occ_1970 = 715	-0.131 (0.00722)
Child_Report_Father_Occ_1970 = 751	-0.267 (0.00833)
Child_Report_Father_Occ_1970 = 752	-0.151 (0.0246)
Child_Report_Father_Occ_1970 = 753	-0.0975 (0.0114)
Child_Report_Father_Occ_1970 = 755	-1.536 (0.0111)
Child_Report_Father_Occ_1970 = 760	-1.788 (0.0266)
Child_Report_Father_Occ_1970 = 761	-0.403 (0.0109)
Child_Report_Father_Occ_1970 = 762	-0.214 (0.0268)

Child_Report_Father_Occ_1970 = 763	-0.145 (0.0184)
Child_Report_Father_Occ_1970 = 770	-0.247 (0.0257)
Child_Report_Father_Occ_1970 = 780	-0.0967 (0.0106)
Child_Report_Father_Occ_1970 = 785	0.244 (0.0114)
Child_Report_Father_Occ_1970 = 801	-0.0852 (0.00702)
Child_Report_Father_Occ_1970 = 802	-0.173 (0.0247)
Child_Report_Father_Occ_1970 = 821	-0.229 (0.0250)
Child_Report_Father_Occ_1970 = 822	-0.114 (0.00940)
Child_Report_Father_Occ_1970 = 902	-0.257 (0.0240)
Child_Report_Father_Occ_1970 = 903	-0.111 (0.00894)
Child_Report_Father_Occ_1970 = 910	0.247 (0.0260)
Child_Report_Father_Occ_1970 = 912	0.424 (0.0243)
Child_Report_Father_Occ_1970 = 925	0.00506 (0.0156)
Child_Report_Father_Occ_1970 = 961	0.0195 (0.0106)
Child_Report_Father_Occ_1970 = 962	-0.665 (0.0105)
Child_Report_Father_Occ_1970 = 964	0.0746 (0.0101)
Child_Report_Father_Ind = 19	0.761 (0.0176)
Child_Report_Father_Ind = 27	1.051 (0.0209)
Child_Report_Father_Ind = 47	0.693 (0.0179)
Child_Report_Father_Ind = 48	0.850 (0.0101)
Child_Report_Father_Ind = 49	1.181 (0.0189)
Child_Report_Father_Ind = 57	0.450 (0.0238)
Child_Report_Father_Ind = 67	0.678 (0.00521)
Child_Report_Father_Ind = 68	0.586 (0.00665)
Child_Report_Father_Ind = 69	0.516 (0.00544)
Child_Report_Father_Ind = 77	0.881 (0.00959)
Child_Report_Father_Ind = 107	0.751 (0.00779)
Child_Report_Father_Ind = 108	0.727 (0.00777)
Child_Report_Father_Ind = 118	0.573 (0.00991)
Child_Report_Father_Ind = 119	0.203 (0.0166)

Child_Report_Father_Ind = 127	0.731 (0.0151)
Child_Report_Father_Ind = 138	0.739 (0.0233)
Child_Report_Father_Ind = 139	2.177 (0.0179)
Child_Report_Father_Ind = 147	0.253 (0.0131)
Child_Report_Father_Ind = 148	1.099 (0.0239)
Child_Report_Father_Ind = 149	0.740 (0.0299)
Child_Report_Father_Ind = 157	0.586 (0.0273)
Child_Report_Father_Ind = 158	1.081 (0.0180)
Child_Report_Father_Ind = 168	0.263 (0.0207)
Child_Report_Father_Ind = 169	0.614 (0.0185)
Child_Report_Father_Ind = 177	1.135 (0.0128)
Child_Report_Father_Ind = 178	0.684 (0.0110)
Child_Report_Father_Ind = 179	0.418 (0.0145)
Child_Report_Father_Ind = 187	0.801 (0.0174)
Child_Report_Father_Ind = 188	1.178 (0.0133)
Child_Report_Father_Ind = 189	0.627 (0.0148)
Child_Report_Father_Ind = 197	0.621 (0.00841)
Child_Report_Father_Ind = 198	1.151 (0.0238)
Child_Report_Father_Ind = 199	0.539 (0.0109)
Child_Report_Father_Ind = 207	0.746 (0.0233)
Child_Report_Father_Ind = 208	0.791 (0.0102)
Child_Report_Father_Ind = 209	0.921 (0.0118)
Child_Report_Father_Ind = 219	0.928 (0.00633)
Child_Report_Father_Ind = 227	0.993 (0.00815)
Child_Report_Father_Ind = 228	0.565 (0.0121)
Child_Report_Father_Ind = 237	0.219 (0.0256)
Child_Report_Father_Ind = 247, omitted	-
Child_Report_Father_Ind = 248	0.621 (0.0289)
Child_Report_Father_Ind = 258	1.023 (0.0244)
Child_Report_Father_Ind = 259	1.034 (0.0306)

Child_Report_Father_Ind = 268	0.654 (0.00740)
Child_Report_Father_Ind = 269	0.618 (0.0141)
Child_Report_Father_Ind = 287	0.592 (0.0116)
Child_Report_Father_Ind = 289	0.492 (0.00941)
Child_Report_Father_Ind = 317	0.354 (0.0106)
Child_Report_Father_Ind = 319	0.441 (0.0129)
Child_Report_Father_Ind = 327	-0.0467 (0.0236)
Child_Report_Father_Ind = 328	1.161 (0.0104)
Child_Report_Father_Ind = 337	-0.560 (0.0144)
Child_Report_Father_Ind = 338	1.289 (0.00995)
Child_Report_Father_Ind = 339	0.702 (0.0106)
Child_Report_Father_Ind = 347	0.0450 (0.0238)
Child_Report_Father_Ind = 357	0.889 (0.0160)
Child_Report_Father_Ind = 358	0.476 (0.0121)
Child_Report_Father_Ind = 359	1.050 (0.0296)
Child_Report_Father_Ind = 367	0.697 (0.0251)
Child_Report_Father_Ind = 369	1.185 (0.0149)
Child_Report_Father_Ind = 377	0.985 (0.0182)
Child_Report_Father_Ind = 379	0.787 (0.00987)
Child_Report_Father_Ind = 387	-0.869 (0.0173)
Child_Report_Father_Ind = 388	-0.565 (0.0179)
Child_Report_Father_Ind = 389	-0.251 (0.0140)
Child_Report_Father_Ind = 398	0.540 (0.00711)
Child_Report_Father_Ind = 407	0.826 (0.00803)
Child_Report_Father_Ind = 408	0.843 (0.0120)
Child_Report_Father_Ind = 409	-0.560 (0.0360)
Child_Report_Father_Ind = 417	0.771 (0.00557)
Child_Report_Father_Ind = 419	-0.0762 (0.0274)
Child_Report_Father_Ind = 427	0.943 (0.0183)
Child_Report_Father_Ind = 429	0.672 (0.0233)

Child_Report_Father_Ind = 447	0.685 (0.0230)
Child_Report_Father_Ind = 448	0.820 (0.00797)
Child_Report_Father_Ind = 449	0.317 (0.0200)
Child_Report_Father_Ind = 467	0.756 (0.00805)
Child_Report_Father_Ind = 468	1.022 (0.0234)
Child_Report_Father_Ind = 469	0.297 (0.0252)
Child_Report_Father_Ind = 477	0.331 (0.0141)
Child_Report_Father_Ind = 478	0.620 (0.0147)
Child_Report_Father_Ind = 479	1.134 (0.0237)
Child_Report_Father_Ind = 507	0.673 (0.0239)
Child_Report_Father_Ind = 508	0.783 (0.0195)
Child_Report_Father_Ind = 509	1.150 (0.0238)
Child_Report_Father_Ind = 527	0.864 (0.0145)
Child_Report_Father_Ind = 528	0.771 (0.0227)
Child_Report_Father_Ind = 529	-1.769 (0.0253)
Child_Report_Father_Ind = 539	1.195 (0.0197)
Child_Report_Father_Ind = 558	1.057 (0.0159)
Child_Report_Father_Ind = 559	0.138 (0.0140)
Child_Report_Father_Ind = 567	0.420 (0.0182)
Child_Report_Father_Ind = 569	0.980 (0.0103)
Child_Report_Father_Ind = 587	0.857 (0.0105)
Child_Report_Father_Ind = 588	1.273 (0.0258)
Child_Report_Father_Ind = 607	0.691 (0.0147)
Child_Report_Father_Ind = 608	0.149 (0.0104)
Child_Report_Father_Ind = 609	1.166 (0.0142)
Child_Report_Father_Ind = 617	1.267 (0.0184)
Child_Report_Father_Ind = 618	-0.623 (0.0241)
Child_Report_Father_Ind = 627	0.170 (0.0244)
Child_Report_Father_Ind = 628	0.409 (0.00703)
Child_Report_Father_Ind = 637	-0.364 (0.0273)

Child_Report_Father_Ind = 638	0.349 (0.0162)
Child_Report_Father_Ind = 639	0.456 (0.00980)
Child_Report_Father_Ind = 647	0.686 (0.0187)
Child_Report_Father_Ind = 648	0.414 (0.0169)
Child_Report_Father_Ind = 649	0.798 (0.0170)
Child_Report_Father_Ind = 657	0.521 (0.0158)
Child_Report_Father_Ind = 658	0.240 (0.0254)
Child_Report_Father_Ind = 667	0.413 (0.0174)
Child_Report_Father_Ind = 668	-1.769 (0.0242)
Child_Report_Father_Ind = 669	0.905 (0.0117)
Child_Report_Father_Ind = 677	0.752 (0.0103)
Child_Report_Father_Ind = 679	1.171 (0.0263)
Child_Report_Father_Ind = 688	0.291 (0.0247)
Child_Report_Father_Ind = 689	0.994 (0.0240)
Child_Report_Father_Ind = 697	0.646 (0.0110)
Child_Report_Father_Ind = 698	1.794 (0.0194)
Child_Report_Father_Ind = 707	0.728 (0.0128)
Child_Report_Father_Ind = 708	0.509 (0.0186)
Child_Report_Father_Ind = 709	0.636 (0.0200)
Child_Report_Father_Ind = 717	1.095 (0.00829)
Child_Report_Father_Ind = 718	0.0692 (0.00925)
Child_Report_Father_Ind = 727	0.452 (0.0139)
Child_Report_Father_Ind = 738	-0.331 (0.0252)
Child_Report_Father_Ind = 739	0.652 (0.0130)
Child_Report_Father_Ind = 748, omitted	-
Child_Report_Father_Ind = 749	1.298 (0.0249)
Child_Report_Father_Ind = 757	0.357 (0.00551)
Child_Report_Father_Ind = 758	0.644 (0.0289)
Child_Report_Father_Ind = 759	0.671 (0.0160)
Child_Report_Father_Ind = 777	0.356 (0.0235)

Child_Report_Father_Ind = 779	0.101 (0.0109)
Child_Report_Father_Ind = 788, omitted	-
Child_Report_Father_Ind = 798, omitted	-
Child_Report_Father_Ind = 807	1.005 (0.0173)
Child_Report_Father_Ind = 809	0.0529 (0.0171)
Child_Report_Father_Ind = 828	0.146 (0.0143)
Child_Report_Father_Ind = 829	0.297 (0.0155)
Child_Report_Father_Ind = 838	0.550 (0.00970)
Child_Report_Father_Ind = 839	0.212 (0.0234)
Child_Report_Father_Ind = 848	0.337 (0.0107)
Child_Report_Father_Ind = 849	0.0653 (0.0160)
Child_Report_Father_Ind = 857	0.299 (0.00586)
Child_Report_Father_Ind = 858	0.541 (0.00777)
Child_Report_Father_Ind = 867	0.432 (0.0259)
Child_Report_Father_Ind = 877	0.720 (0.00856)
Child_Report_Father_Ind = 878	0.197 (0.0252)
Child_Report_Father_Ind = 887	0.0143 (0.0236)
Child_Report_Father_Ind = 888	0.949 (0.00862)
Child_Report_Father_Ind = 889	0.914 (0.0124)
Child_Report_Father_Ind = 897	0.724 (0.0184)
Child_Report_Father_Ind = 907	0.720 (0.00719)
Child_Report_Father_Ind = 917	0.686 (0.00521)
Child_Report_Father_Ind = 927	0.500 (0.0104)
Child_Report_Father_Ind = 937	0.693 (0.00628)
Father_Age20_Dummies = 1	-0.590 (0.00430)
Father_Age20_Dummies = 2	-0.250 (0.00377)
Father_Age20_Dummies = 3	-0.116 (0.00366)
Father_Age20_Dummies = 4	-0.0603 (0.00387)
Father_Age20_Dummies = 6	0.0841 (0.00389)
Father_Age20_Dummies = 7	-0.00307 (0.00393)

Father_Age20_Dummies = 8	0.211 (0.00465)
Father_Age20_Dummies = 9	-0.458 (0.00596)
Constant	10.19 (0.0140)
Observations	498,987
R-squared	0.550

**Appendix C. Transition matrices of fathers' earnings quartile against sons earnings quartile
(row percentages)**

(a) Time-average fathers' earnings

		Sons earnings quartile				n
		Bottom	Second	Third	Top	
Fathers earnings quartile	Bottom	42	25	21	12	256
	Second	26	32	28	14	257
	Third	22	27	25	25	255
	Top	14	14	24	48	256

(b) TSTSLS Model M1

		Sons earnings quartile				n
		Bottom	Second	Third	Top	
Fathers earnings quartile	Bottom	40	30	21	10	262
	Second	25	26	26	23	267
	Third	20	27	25	28	313
	Top	17	12	27	43	182

(c) TSTSLS Model M2

		Sons earnings quartile				n
		Bottom	Second	Third	Top	
Fathers earnings quartile	Bottom	41	29	20	10	261
	Second	30	27	24	19	256
	Third	16	27	29	27	251
	Top	16	15	25	44	256

(d) TSTSLS Model M3

		Sons earnings quartile				n
		Bottom	Second	Third	Top	
Fathers earnings quartile	Bottom	39	28	22	10	258
	Second	30	27	23	20	255
	Third	18	28	28	26	258
	Top	16	16	25	43	253

(e) TSTSLS Model M4

		Sons earnings quartile				n
		Bottom	Second	Third	Top	
Fathers earnings quartile	Bottom	40	29	19	11	256
	Second	32	28	24	16	257
	Third	16	22	32	30	255
	Top	15	19	23	42	256

(f) TSTSLS Model M5

		Sons earnings quartile				n
		Bottom	Second	Third	Top	
Fathers earnings quartile	Bottom	42	30	18	10	256
	Second	30	25	27	18	256
	Third	18	26	29	28	257
	Top	14	18	24	44	255

Notes: Authors' calculations using the PSID dataset. Figures refer to row percentages.

Appendix D. Cross-tabulation between parent and offspring reports of fathers' education, occupation and industry (row percentages)

(a) Father's education

		Offspring report of fathers' education						Advanced degree	n
		Grades 1-5	Grades 6-8	Grades 9-11	Grade 12	Some college	College degree		
Fathers' own report of fathers' education	Grades 1-5	50	30	10	10	0	0	0	10
	Grades 6-8	15	59	13	11	2	0	0	46
	Grades 9-11	1	25	39	30	3	0	2	114
	Grade 12	0	4	10	75	11	0	0	327
	Some college	1	1	2	33	51	11	1	202
	College degree	0	0	0	6	13	73	8	128
	Advanced degree	0	0	0	2	8	30	60	179

Notes: Authors' calculations using the PSID dataset. Figures refer to row percentages

(b) Fathers' occupation (1 digit groups)

		Offspring report of fathers' occupation										n
		Professional	Manager	Sales	Clerical	Crafts	Operative	Transport	Laborers	Farmers	Service	
Fathers' own report of fathers' occupation	Professional	25	19	7	3	20	9	6	3	3	4	181
	Manager	16	27	11	4	22	8	4	2	4	2	193
	Sales	16	10	24	4	24	10	2	0	6	2	49
	Clerical	6	12	12	15	24	18	6	6	0	3	34
	Crafts	8	10	4	2	37	8	8	8	10	5	191
	Operative	5	13	3	0	25	29	6	11	5	3	87
	Transport	8	8	0	4	16	16	23	15	9	1	75
	Laborers	11	5	3	0	16	11	19	14	8	14	37
	Farmers	7	5	12	0	17	7	10	7	34	0	41
	Service	7	10	0	2	20	14	3	10	12	22	59

Notes: Authors' calculations using the PSID dataset. Figures refer to row percentages

(c) Fathers’ industry (1 digit groups)

Offspring report of fathers' industry														
		Agriculture	Mining	Construction	Manufacturing	Transport	Wholesale / retail	Finance	Business	Personal	Entertainment	Services	Public admin	n
Fathers' own report of fathers' industry	Agriculture	81	0	4	2	4	4	0	0	0	0	2	2	48
	Mining	8	54	8	8	0	8	0	8	0	0	0	8	13
	Construction	3	0	59	10	8	8	0	2	0	0	6	2	86
	Manufacturing	5	1	4	68	3	6	1	2	1	0	4	4	288
	Transport	2	1	6	11	66	6	1	2	0	0	1	3	93
	Wholesale / retail	5	1	6	15	4	50	4	5	0	3	3	5	131
	Finance	0	0	10	18	0	8	56	3	0	0	0	5	39
	Business	3	0	9	15	9	6	0	45	0	0	3	9	33
	Personal	8	0	8	15	0	8	0	0	54	0	0	8	13
	Entertainment	0	0	0	0	25	0	0	0	0	50	0	25	4
	Services	4	1	8	10	2	5	5	3	0	0	57	7	146
	Public admin	6	0	5	14	6	4	0	2	0	0	2	60	81

Notes: Authors’ calculations using the PSID dataset. Figures refer to row percentages.