*Online Appendix*

A. CHRISTIAN-MUSLIM OCCUPATIONAL DIFFERENTIALS—DETAILED ANALYSIS

*A1. Decomposing “White-Collar” Workers into their Major Occupational Groups*

****

Figure A.1

SHARE OF LEGISLATORS, SENIOR OFFICIALS, AND MANAGERS

****

Figure A.2

SHARE OF PROFESSIONALS, TECHNICIANS, AND ASSOCIATE PROFESSIONALS

****Figure A.3

SHARE OF CLERKS

*Notes*: Refer to the International Standard Classification of Occupations (ISCO) of 1988 for the definitions and the sub-groups of each of these major occupational groups. In order to ensure consistency across the 1986 population census classification and the ISCO classification in the 1996 and 2006 samples, “Professionals” in the 1996 and 2006 samples in Figure A.2 do *not* include the two sub-groups, “343: Administrative Associate Professionals,” and “344: Customs, Tax And Related Government Associate Professionals,” which are instead included under “Clerks.” In the 1986 sample, “Legislators, Senior Officials, and Managers” include (a) officials, managers, business managers, and business owners who work in their own businesses but are not classified elsewhere (except those working in trade, services, and agriculture), (b) managers of wholesale and retail trade businesses, (c) managers of hotels and restaurants, (d) managers of entertainment and personal services, and (e) managers of agricultural farms, “Professionals, Technicians, and Associate Professionals” include (f) personnel in technical, scientific, and professional occupations, whereas “clerks” include (g) clerks and personnel in administrative occupations.

*Source*: Figures A.1–A.3 are based on the pooled 1986, 1996, and 2006 individual-level population census samples. The sample is restricted to Egyptian Christian and Muslim males who were born in Egypt and aged between 30 and 60 years in 1986, 1996, or 2006, with non-missing values on age, religion, province of birth, and education.

*A2. Decomposing “Professionals” into their Major Occupational Groups*

****

Figure A.4

SHARE OF TEACHERS (ALL EDUCATIONAL LEVELS)

****

Figure A.5

SHARE OF BUSINESS PROFESSIONALS (E.G., ACCOUNTANTS)

****

Figure A.6

SHARE OF PHYSICAL AND ENGINEERING SCIENCE TECHNICIANS

****

Figure A.7

SHARE OF ARCHITECTS, ENGINEERS, AND RELATED PROFESSIONALS

****

Figure A.8

SHARE OF LEGAL PROFESSIONALS (E.G., LAWYERS)

****

Figure A.9

SHARE OF LIFE SCIENCE PROFESSIONALS

****

Figure A.10

SHARE OF HEALTH PROFESSIONALS (EXCEPT NURSING) (E.G., PHYSICIANS)

*Notes*: Refer to the International Standard Classification of Occupations (ISCO) of 1988 for the definitions and the sub-categories of each of these 3-digit sub-groups that fall under the major occupational group of “Professionals.”

*Source*: Figures A.4–A.10 are based on the pooled 1986 and 2006 population census samples, since the 1996 population census sample only includes the 1-digit occupational classification (i.e., major occupational groups). The sample is restricted to Egyptian Christian and Muslim males who were born in Egypt and aged between 30 and 60 years in 1986 or 2006, with non-missing values on age, religion, province of birth, and education.

B. RESULTS USING THE SECOND MEASURE OF REFORM INTENSITY

Table B.1

IMPACT OF REFORM ON EDUCATIONAL AND OCCUPATIONAL ATTAINMENT BY RELIGION:
EXPERIMENT OF INTEREST

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | (1) | (2) | (3) | (4) | (5) | (6) |
|  | Years of Schooling - Full Sample | Years of Schooling - Workers' Sample | White-Collar Dummy - Workers' Sample | Years of Schooling - Full Sample | Years of Schooling - Workers' Sample | White-Collar Dummy - Workers' Sample |
| *Kuttabs*' share in male student enrollment \* Aged 0–5 in 1953 ($δ\_{1}$) | 0.365\*\*\*(0.127) | 0.432\*\*\*(0.135) | 0.075\*\*\*(0.011) | 0.228(0.139) | 0.337\*\*(0.153) | 0.058\*\*\*(0.013) |
| Christian \* *Kuttabs*' share in student enrollment \* Aged 0–5 in 1953 ($δ\_{2}$) | –0.089(0.458) | 0.280(0.461) | –0.005(0.039) | –0.390(0.507) | 0.048(0.523) | –0.022(0.044) |
| Christian  | Yes | Yes | Yes | Yes | Yes | Yes |
| Christian \* Year of birth FE?  | Yes | Yes | Yes | Yes | Yes | Yes |
| Year of birth FE?  | Yes | Yes | Yes | Yes | Yes | Yes |
| Christian \* District of birth FE?  | Yes | Yes | Yes | Yes | Yes | Yes |
| District of birth FE?  | Yes | Yes | Yes | Yes | Yes | Yes |
| Baseline district's health characteristics \* Aged 0–5 in 1953?  | No | No | No | Yes | Yes | Yes |
| Christian \* Baseline district's health characteristics \* Aged 0–5 in 1953?  | No | No | No | Yes | Yes | Yes |
| P-value ($H\_{0}:δ\_{1}+δ\_{2}=0)$ | 0.563 | 0.125 | 0.074 | 0.758 | 0.461 | 0.406 |
| Number of Districts | 151 | 151 | 151 | 151 | 151 | 151 |
| Observations | 256,253 | 236,986 | 236,986 | 256,253 | 236,986 | 236,986 |
| Adjusted *R*2 | 0.148 | 0.153 | 0.089 | 0.148 | 0.153 | 0.089 |

*Notes*: \* p < 0.10, \*\* p < 0.05, \*\*\* p < 0.01. Standard errors clustered at the district of birth level are in parentheses. Baseline district’s health characteristics include (1) the number of fatalities and maladies due to infectious diseases per 1,000 individuals in 1951/52 and (2) the number of hospital beds per 1,000 individuals in 1951/52.

*Source*: Egypt’s 1986 10-percent individual-level population census sample merged with district-level data on schools and health characteristics from the *Annuaire Statistique 1949–1950 et 1950–1951* (1953, pp. 144–77, 260–71). The sample is restricted to Egyptian Christian and Muslim males who were born in Egypt in 1938–1942 or 1948–1953 (aged 11–15 or 0–5 in 1953), with non-missing values on age, religion, district of birth, and education.

Table B.2

PLACEBO TEST OF THE IMPACT OF THE REFORM

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | (1) | (2) | (3) | (4) | (5) | (6) |
|  | Years of Schooling - Full Sample | Years of Schooling - Workers' Sample | White-Collar Dummy - Workers' Sample | Years of Schooling - Full Sample | Years of Schooling - Workers' Sample | White-Collar Dummy - Workers' Sample |
| *Kuttabs*' share in male student enrollment \* Aged 11–15 in 1953 ($δ\_{1}$) | –0.128(0.147) | –0.114(0.155) | –0.000(0.014) | –0.115(0.162) | –0.160(0.169) | –0.009(0.016) |
| Christian \* *Kuttabs*' share in student enrollment \* Aged 11–15 in 1953 ($δ\_{2}$) | 0.230(0.506) | 0.267(0.536) | 0.046(0.038) | 0.234(0.664) | 0.351(0.687) | 0.065(0.049) |
| Christian  | Yes | Yes | Yes | Yes | Yes | Yes |
| Christian \* Year of birth FE?  | Yes | Yes | Yes | Yes | Yes | Yes |
| Year of birth FE?  | Yes | Yes | Yes | Yes | Yes | Yes |
| Christian \* District of birth FE?  | Yes | Yes | Yes | Yes | Yes | Yes |
| District of birth FE?  | Yes | Yes | Yes | Yes | Yes | Yes |
| Baseline district's health characteristics \* Aged 11–15 in 1953?  | No | No | No | Yes | Yes | Yes |
| Christian \* Baseline health district's characteristics \* Aged 11–15 in 1953?  | No | No | No | Yes | Yes | Yes |
| P-value ($H\_{0}:δ\_{1}+δ\_{2}=0)$ | 0.826 | 0.755 | 0.200 | 0.843 | 0.758 | 0.197 |
| Number of Districts | 150 | 150 | 150 | 150 | 150 | 150 |
| Observations | 157,414 | 142,623 | 142,623 | 157,414 | 142,623 | 142,623 |
| Adjusted *R*2 | 0.163 | 0.173 | 0.115 | 0.163 | 0.173 | 0.115 |

*Notes*: \* p < 0.10, \*\* p < 0.05, \*\*\* p < 0.01. Standard errors clustered at the district of birth level are in parentheses. Baseline district’s health characteristics include (1) the number of fatalities and maladies due to infectious diseases per 1,000 individuals in 1951/52 and (2) the number of hospital beds per 1,000 individuals in 1951/52.

*Source*: Egypt’s 1986 10-percent individual-level population census sample merged with district-level data on schools and health characteristics from the *Annuaire Statistique 1949–1950 et 1950–1951* (1953, pp. 144–77, 260–71). The sample is restricted to Egyptian Christian and Muslim males who were born in Egypt between 1934 and 1942 (aged 11–19 in 1953), with non-missing values on age, religion, district of birth, and education.

Table B.3

IMPACT OF REFORM BY RELIGION AND COHORT OF BIRTH

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| *Kuttabs*' share in male student enrollment \* Aged 11–15 in 1953 ($δ\_{12}$) | –0.125(0.148) | –0.115(0.156) | –0.001(0.014) | –0.115(0.164) | –0.161(0.170) | –0.010(0.016) |
| *Kuttabs*' share in male student enrollment \* Aged 6–10 in 1953 ($δ\_{13}$) | –0.134(0.199) | –0.121(0.204) | 0.017(0.017) | –0.189(0.232) | –0.189(0.235) | –0.006(0.020) |
| *Kuttabs*' share in male student enrollment \* Aged 0–5 in 1953 ($δ\_{14}$) | 0.251(0.165) | 0.330\*(0.178) | 0.075\*\*\*(0.017) | 0.116(0.186) | 0.179(0.200) | 0.049\*\*\*(0.018) |
| Christian \* *Kuttabs*' share in enrollment \* Aged 11–15 in 1953 ($δ\_{22}$) | 0.261(0.502) | 0.279(0.530) | 0.048(0.038) | 0.313(0.667) | 0.414(0.686) | 0.068(0.049) |
| Christian \* Kuttabs' share in enrollment \* Aged 6–10 in 1953 ($δ\_{23}$) | 0.462(0.536) | 0.486(0.590) | 0.061(0.050) | 0.442(0.667) | 0.621(0.771) | 0.087(0.067) |
| Christian \* Kuttabs' share in enrollment \* Aged 0–5 in 1953 ($δ\_{24}$) | 0.196(0.612) | 0.580(0.519) | 0.046(0.043) | –0.083(0.740) | 0.463(0.649) | 0.049(0.056) |
| Christian  | Yes | Yes | Yes | Yes | Yes | Yes |
| Christian \* Year of birth FE?  | Yes | Yes | Yes | Yes | Yes | Yes |
| Year of birth FE?  | Yes | Yes | Yes | Yes | Yes | Yes |
| Christian \* District of birth FE?  | Yes | Yes | Yes | Yes | Yes | Yes |
| District of birth FE?  | Yes | Yes | Yes | Yes | Yes | Yes |
| Baseline district's health characteristics \* Aged 11–15 in 1953?  | No | No | No | Yes | Yes | Yes |
| Baseline district's health characteristics \* Aged 6–10 in 1953?  | No | No | No | Yes | Yes | Yes |
| Baseline district's health characteristics \* Aged 0–5 in 1953?  | No | No | No | Yes | Yes | Yes |
| Christian \* Baseline district's health characteristics \* Aged 11–15 in 1953?  | No | No | No | Yes | Yes | Yes |
| Christian \* Baseline district's health characteristics \* Aged 6–10 in 1953?  | No | No | No | Yes | Yes | Yes |
| Christian \* Baseline district's health characteristics \* Aged 0–5 in 1953?  | No | No | No | Yes | Yes | Yes |
| P ($H\_{0}:δ\_{14}-δ\_{12}=0)$ | 0.003 | 0.001 | 0.000 | 0.093 | 0.025 | 0.000 |
| P ($H\_{0}:δ\_{14}-δ\_{13}=0)$ | 0.007 | 0.002 | 0.000 | 0.038 | 0.016 | 0.000 |
| P ($H\_{0}:δ\_{14}+δ\_{24}=0)$ | 0.472 | 0.086 | 0.009 | 0.964 | 0.308 | 0.088 |
| P ($H\_{0}:\left(δ\_{14}+δ\_{24}\right)-\left(δ\_{12}+δ\_{22}\right)=0)$ | 0.520 | 0.112 | 0.061 | 0.755 | 0.462 | 0.369 |
| P ($H\_{0}:\left(δ\_{14}+δ\_{24}\right)-\left(δ\_{13}+δ\_{23}\right)=0)$ | 0.784 | 0.207 | 0.162 | 0.643 | 0.669 | 0.637 |
| P ($H\_{0}:δ\_{24}-δ\_{22}=0)$ | 0.890 | 0.522 | 0.963 | 0.445 | 0.926 | 0.683 |
| P ($H\_{0}:δ\_{24}-δ\_{23}=0)$ | 0.523 | 0.824 | 0.651 | 0.252 | 0.750 | 0.311 |
| Number of Districts | 151 | 151 | 151 | 151 | 151 | 151 |
| Observations | 426,801 | 392,520 | 392,520 | 426,801 | 392,520 | 392,520 |
| Adjusted *R*2 | 0.154 | 0.160 | 0.095 | 0.154 | 0.160 | 0.095 |

*Notes*: \* p < 0.10, \*\* p < 0.05, \*\*\* p < 0.01. Standard errors clustered at the district of birth level are in parentheses. Baseline district’s health characteristics include (1) the number of fatalities and maladies due to infectious diseases per 1,000 individuals in 1951/52 and (2) the number of hospital beds per 1,000 individuals in 1951/52.

*Source*: Egypt’s 1986 10-percent individual-level population census sample merged with district-level data on schools and health characteristics from the *Annuaire Statistique 1949–1950 et 1950–1951* (1953, pp. 144–77, 260–71). The sample is restricted to Egyptian Christian and Muslim males who were born in Egypt between 1934 and 1953 (aged 0–19 in 1953), with non-missing values on age, religion, district of birth, and education.

C. RESULTS OF THE ROBUSTNESS CHECKS

Table C.1

IMPACT OF REFORM ON ALTERNATIVE MEASURES OF EDUCATIONAL ATTAINMENT BY RELIGION—EXPERIMENT OF INTEREST

|  |
| --- |
| Panel A |
|  | (1) | (2) | (3) | (4) | (5) |
|  | =1 if Literate | =1 if At Least Primary School | =1 if at Least Preparatory School | =1 if at Least Secondary School | =1 if at Least University |
| *Kuttabs*' share in 1951/52 \* Aged 0–5 in 1953 ($δ\_{1}$) | 0.069\*\*\*(0.017) | 0.040\*\*\*(0.014) | 0.040\*\*\*(0.014) | 0.026(0.016) | –0.041\*\*\*(0.008) |
| Christian \* *Kuttabs*' share in 1951/52 \* Aged 0–5 in 1953 ($δ\_{2}$) | –0.017(0.041) | 0.021(0.053) | 0.002(0.053) | –0.086\*(0.046) | –0.067\*\*(0.026) |
| Christian  | Yes | Yes | Yes | Yes | Yes |
| Christian \* Year of birth FE?  | Yes | Yes | Yes | Yes | Yes |
| Year of birth FE?  | Yes | Yes | Yes | Yes | Yes |
| Christian \* District of birth FE?  | Yes | Yes | Yes | Yes | Yes |
| District of birth FE?  | Yes | Yes | Yes | Yes | Yes |
| Baseline district's health characteristics \* Aged 0–5 in 1953?  | Yes | Yes | Yes | Yes | Yes |
| Christian \* Baseline district's health characteristics \* Aged 0–5 in 1953?  | Yes | Yes | Yes | Yes | Yes |
| P-value ($H\_{0}:δ\_{1}+δ\_{2}=0)$ | 0.203 | 0.251 | 0.422 | 0.182 | 0.000 |
| Number of Districts | 151 | 151 | 151 | 151 | 151 |
| Observations | 256253 | 256253 | 256253 | 256253 | 256253 |
| Adjusted *R*2 | 0.129 | 0.133 | 0.125 | 0.108 | 0.055 |

Panel B

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| *Kuttabs*' share in male student enrollment \* Aged 0–5 in 1953 ($δ\_{1}$) | 0.067\*\*\*(0.013) | 0.039\*\*\*(0.011) | 0.036\*\*\*(0.011) | 0.014(0.013) | –0.036\*\*\*(0.006) |
| Christian \* *Kuttabs*' share in enrollment \* Aged 0–5 in 1953 ($δ\_{2}$) | 0.009(0.033) | 0.041(0.041) | 0.028(0.040) | –0.063(0.039) | –0.053\*\*(0.021) |
| Christian  | Yes | Yes | Yes | Yes | Yes |
| Christian \* Year of birth FE?  | Yes | Yes | Yes | Yes | Yes |
| Year of birth FE?  | Yes | Yes | Yes | Yes | Yes |
| Christian \* District of birth FE?  | Yes | Yes | Yes | Yes | Yes |
| District of birth FE?  | Yes | Yes | Yes | Yes | Yes |
| Baseline district's health characteristics \* Aged 0–5 in 1953?  | Yes | Yes | Yes | Yes | Yes |
| Christian \* Baseline district's health characteristics \* Aged 0–5 in 1953?  | Yes | Yes | Yes | Yes | Yes |
| P-value ($H\_{0}:δ\_{1}+δ\_{2}=0)$ | 0.029 | 0.054 | 0.111 | 0.198 | 0.000 |
| Number of Districts | 151 | 151 | 151 | 151 | 151 |
| Observations | 256,253 | 256,253 | 256,253 | 256,253 | 256,253 |
| Adjusted *R*2 | 0.129 | 0.132 | 0.125 | 0.108 | 0.055 |

*Notes*: \* p < 0.10, \*\* p < 0.05, \*\*\* p < 0.01. Standard errors clustered at the district of birth level are in parentheses. Baseline district’s health characteristics include (1) the number of fatalities and maladies due to infectious diseases per 1,000 individuals in 1951/52 and (2) the number of hospital beds per 1,000 individuals in 1951/52.

*Source*: Egypt’s 1986 10-percent individual-level population census sample merged with district-level data on schools and health characteristics from the *Annuaire Statistique 1949–1950 et 1950–1951* (1953, pp. 144–77, 260–71). The sample is restricted to Egyptian Christian and Muslim males who were born in Egypt in 1938–1942 or 1948–1953 (aged 11–15 or 0–5 in 1953), with non-missing values on age, religion, district of birth, and education.

Table C.2

IMPACT OF REFORM ON EDUCATIONAL AND OCCUPATIONAL ATTAINMENT
BY RELIGION AND COHORT OF BIRTH—
CONTROLLING FOR ADDITIONAL BASELINE DISTRICTS' CHARACTERISTICS IN 1947

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | (1) | (2) | (3) | (4) | (5) | (6) |
|  | Years of Schooling - Full Sample | Years of Schooling - Workers' Sample | White-Collar Dummy - Workers' Sample | Years of Schooling - Full Sample | Years of Schooling - Workers' Sample | White-Collar Dummy - Workers' Sample |
| *Kuttabs*' share in 1951/52 \* Aged 11–15 in 1953 ($δ\_{12}$) | –0.163(0.265) | –0.123(0.285) | 0.006(0.024) |  |  |  |
| *Kuttabs*' share in 1951/52 \* Aged 6–10 in 1953 ($δ\_{13}$) | –0.454(0.298) | –0.436(0.311) | 0.000(0.024) |  |  |  |
| *Kuttabs*' share in 1951/52 \* Aged 0–5 in 1953 ($δ\_{14}$) | 0.341(0.229) | 0.467\*(0.254) | 0.115\*\*\*(0.023) |  |  |  |
| Christian \* *Kuttabs*' share in 1951/52 \* Aged 11–15 in 1953 ($δ\_{22}$) | 0.637(0.929) | 0.421(0.906) | 0.043(0.067) |  |  |  |
| Christian \* *Kuttabs*' share in 1951/52 \* Aged 6–10 in 1953 ($δ\_{23}$) | 0.932(1.126) | 1.186(1.260) | 0.127(0.089) |  |  |  |
| Christian \* *Kuttabs*' share in 1951/52 \* Aged 0–5 in 1953 ($δ\_{24}$) | 0.701(0.957) | 1.281(0.856) | 0.069(0.058) |  |  |  |
| *Kuttabs*' share in male student enrollment \* Aged 11–15 in 1953 ($δ\_{12}$) |  |  |  | –0.175(0.190) | –0.172(0.197) | –0.002(0.016) |
| *Kuttabs*' share in male student enrollment \* Aged 6–10 in 1953 ($δ\_{13}$) |  |  |  | –0.374(0.229) | –0.409\*(0.238) | –0.014(0.018) |
| *Kuttabs*' share in male student enrollment \* Aged 0–5 in 1953 ($δ\_{14}$) |  |  |  | 0.069(0.181) | 0.141(0.198) | 0.064\*\*\*(0.018) |
| Christian \* *Kuttabs*' share in enrollment \* Aged 11–15 in 1953 ($δ\_{22}$) |  |  |  | –0.129(0.749) | –0.197(0.714) | 0.006(0.054) |
| Christian \* *Kuttabs*' share in enrollment \* Aged 6–10 in 1953 ($δ\_{23}$) |  |  |  | –0.048(0.993) | 0.155(1.154) | 0.056(0.082) |
| Christian \* *Kuttabs*' share in enrollment \* Aged 0–5 in 1953 ($δ\_{24}$) |  |  |  | 0.107(0.809) | 0.753(0.713) | 0.047(0.052) |
| Christian  | Yes | Yes | Yes | Yes | Yes | Yes |
| Christian \* Year of birth FE?  | Yes | Yes | Yes | Yes | Yes | Yes |
| Year of birth FE?  | Yes | Yes | Yes | Yes | Yes | Yes |
| Christian \* District of birth FE?  | Yes | Yes | Yes | Yes | Yes | Yes |
| District of birth FE?  | Yes | Yes | Yes | Yes | Yes | Yes |
| Baseline district's health and demographic characteristics \* Aged 11–15 in 1953?  | Yes | Yes | Yes | Yes | Yes | Yes |
| Baseline district's health and demographic characteristics \* Aged 6–10 in 1953?  | Yes | Yes | Yes | Yes | Yes | Yes |
| Baseline district's health and demographic characteristics \* Aged 0–5 in 1953?  | Yes | Yes | Yes | Yes | Yes | Yes |
| Christian \* Baseline district's health and demographic characteristics \* Aged 11–15 in 1953?  | Yes | Yes | Yes | Yes | Yes | Yes |
| Christian \* Baseline district's health and demographic characteristics \* Aged 6–10 in 1953?  | Yes | Yes | Yes | Yes | Yes | Yes |
| Christian \* Baseline district's health and demographic characteristics \* Aged 0–5 in 1953?  | Yes | Yes | Yes | Yes | Yes | Yes |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| P ($H\_{0}:δ\_{14}-δ\_{12}=0)$ | 0.020 | 0.010 | 0.000 | 0.167 | 0.084 | 0.000 |
| P ($H\_{0}:δ\_{14}-δ\_{13}=0)$ | 0.001 | 0.001 | 0.000 | 0.022 | 0.007 | 0.000 |
| P ($H\_{0}:δ\_{14}+δ\_{24}=0)$ | 0.289 | 0.045 | 0.003 | 0.834 | 0.230 | 0.046 |
| P ($H\_{0}:\left(δ\_{14}+δ\_{24}\right)-\left(δ\_{12}+δ\_{22}\right)=0)$ | 0.479 | 0.068 | 0.031 | 0.444 | 0.030 | 0.019 |
| P ($H\_{0}:\left(δ\_{14}+δ\_{24}\right)-\left(δ\_{13}+δ\_{23}\right)=0)$ | 0.386 | 0.231 | 0.387 | 0.232 | 0.086 | 0.173 |
| P ($H\_{0}:δ\_{24}-δ\_{22}=0)$ | 0.937 | 0.291 | 0.696 | 0.713 | 0.114 | 0.383 |
| P ($H\_{0}:δ\_{24}-δ\_{23}=0)$ | 0.709 | 0.912 | 0.405 | 0.761 | 0.411 | 0.874 |
| Number of Districts | 151 | 151 | 151 | 151 | 151 | 151 |
| Observations | 426,801 | 392,520 | 392,520 | 426,801 | 392,520 | 392,520 |
| Adjusted *R*2 | 0.155 | 0.160 | 0.094 | 0.154 | 0.160 | 0.094 |

*Notes*: \* p < 0.10, \*\* p < 0.05, \*\*\* p < 0.01. Standard errors clustered at the district of birth level are in parentheses. Controls for baseline district’s health and demographic characteristics include a full set of interactions of the Christian indicator, the three cohort of birth indicator variables (the base cohort is those who aged 16–19 in 1953), and each of the following district-level variables: (1) the number of fatalities and maladies from infectious diseases per 1,000 individuals in 1951/52, (2) the number of hospital beds per 1,000 individuals in 1951/52, (iii) the logarithm of population in 1947, (iv) the population share of non-Muslims in 1947, (v) the population share of foreigners in 1947, and (vi) the share of males in elementary/primary school age (5–14 years) out of the total male population in 1947.

*Source*: Egypt’s 1986 10-percent individual-level population census sample merged with district-level data on schools and health characteristics from the *Annuaire Statistique 1949–1950 et 1950–1951* (1953, pp. 144–77, 260–71) and district-level demographic characteristics from the 1947 population census in CEDEJ (2003). The sample is restricted to Egyptian Christian and Muslim males who were born in Egypt between 1934 and 1953 (aged 0–19 in 1953), with non-missing values on age, religion, district of birth, and education.

Table C.3

IMPACT OF REFORM ON EDUCATIONAL AND OCCUPATIONAL ATTAINMENT
BY RELIGION, COHORT OF BIRTH, AND RURAL/URBAN DISTRICT OF BIRTH

|  |
| --- |
| Panel A: Rural District of Birth |
|  | (1) | (2) | (3) | (4) | (5) | (6) |
|  | Years of Schooling - Full Sample | Years of Schooling - Workers' Sample | White-Collar Dummy - Workers' Sample | Years of Schooling - Full Sample | Years of Schooling - Workers' Sample | White-Collar Dummy - Workers' Sample |
| *Kuttabs*' share in 1951/52 \* Aged 11–15 in 1953 ($δ\_{12}$) | –0.319(0.203) | –0.321(0.218) | –0.026(0.021) |  |  |  |
| *Kuttabs*' share in 1951/52 \* Aged 6–10 in 1953 ($δ\_{13}$) | –0.378(0.365) | –0.353(0.359) | –0.011(0.029) |  |  |  |
| *Kuttabs*' share in 1951/52 \* Aged 0–5 in 1953 ($δ\_{14}$) | 0.051(0.262) | 0.138(0.276) | 0.056\*\*(0.024) |  |  |  |
| Christian \* *Kuttabs*' share in 1951/52 \* Aged 11–15 in 1953 ($δ\_{22}$) | 0.348(0.766) | 0.375(0.814) | 0.052(0.059) |  |  |  |
| Christian \* *Kuttabs*' share in 1951/52 \* Aged 6–10 in 1953 ($δ\_{23}$) | 0.733(0.637) | 0.857(0.738) | 0.086(0.075) |  |  |  |
| Christian \* *Kuttabs*' share in 1951/52 \* Aged 0–5 in 1953 ($δ\_{24}$) | –0.122(0.816) | 0.467(0.730) | 0.043(0.062) |  |  |  |
| *Kuttabs*' share in male student enrollment \* Aged 11–15 in 1953 ($δ\_{12}$) |  |  |  | –0.247(0.165) | –0.260(0.173) | –0.020(0.016) |
| *Kuttabs*' share in male student enrollment \* Aged 6–10 in 1953 ($δ\_{13}$) |  |  |  | –0.327(0.290) | –0.346(0.288) | –0.018(0.024) |
| *Kuttabs*' share in male student enrollment \* Aged 0–5 in 1953 ($δ\_{14}$) |  |  |  | –0.028(0.213) | 0.023(0.225) | 0.035\*(0.019) |
| Christian \* *Kuttabs*' share in enrollment \* Aged 11–15 in 1953 ($δ\_{22}$) |  |  |  | –0.016(0.602) | 0.053(0.655) | 0.034(0.046) |
| Christian \* *Kuttabs*' share in enrollment \* Aged 6–10 in 1953 ($δ\_{23}$) |  |  |  | 0.192(0.555) | 0.299(0.650) | 0.057(0.058) |
| Christian \* *Kuttabs*' share in enrollment \* Aged 0–5 in 1953 ($δ\_{24}$) |  |  |  | –0.314(0.619) | 0.227(0.549) | 0.031(0.048) |
| Christian  | Yes | Yes | Yes | Yes | Yes | Yes |
| Christian \* Year of birth FE?  | Yes | Yes | Yes | Yes | Yes | Yes |
| Year of birth FE?  | Yes | Yes | Yes | Yes | Yes | Yes |
| Christian \* District of birth FE?  | Yes | Yes | Yes | Yes | Yes | Yes |
| District of birth FE?  | Yes | Yes | Yes | Yes | Yes | Yes |
| P ($H\_{0}:δ\_{14}-δ\_{12}=0)$ | 0.047 | 0.026 | 0.000 | 0.166 | 0.107 | 0.000 |
| P ($H\_{0}:δ\_{14}-δ\_{13}=0)$ | 0.053 | 0.030 | 0.002 | 0.095 | 0.045 | 0.002 |
| P ($H\_{0}:δ\_{14}+δ\_{24}=0)$ | 0.927 | 0.388 | 0.111 | 0.578 | 0.648 | 0.166 |
| P ($H\_{0}:\left(δ\_{14}+δ\_{24}\right)-\left(δ\_{12}+δ\_{22}\right)=0)$ | 0.891 | 0.454 | 0.241 | 0.892 | 0.430 | 0.269 |
| P ($H\_{0}:\left(δ\_{14}+δ\_{24}\right)-\left(δ\_{13}+δ\_{23}\right)=0)$ | 0.473 | 0.849 | 0.556 | 0.668 | 0.522 | 0.382 |
| P ($H\_{0}:δ\_{24}-δ\_{22}=0)$ | 0.504 | 0.901 | 0.882 | 0.596 | 0.766 | 0.963 |
| P ($H\_{0}:δ\_{24}-δ\_{23}=0)$ | 0.133 | 0.440 | 0.342 | 0.279 | 0.873 | 0.478 |
| Number of Districts | 110 | 110 | 110 | 110 | 110 | 110 |
| Observations | 348,839 | 321,471 | 321,471 | 348,839 | 321,471 | 321,471 |
| Adjusted *R*2 | 0.148 | 0.154 | 0.099 | 0.148 | 0.154 | 0.099 |

|  |
| --- |
| Panel B: Urban District of Birth |
|  | (1) | (2) | (3) | (4) | (5) | (6) |
|  | Years of Schooling - Full Sample | Years of Schooling - Workers' Sample | White-Collar Dummy - Workers' Sample | Years of Schooling - Full Sample | Years of Schooling - Workers' Sample | White-Collar Dummy - Workers' Sample |
| *Kuttabs*' share in 1951/52 \* Aged 11–15 in 1953 ($δ\_{12}$) | 0.436(0.574) | 0.503(0.586) | 0.041(0.049) |  |  |  |
| *Kuttabs*' share in 1951/52 \* Aged 6–10 in 1953 ($δ\_{13}$) | 0.212(0.433) | 0.479(0.491) | 0.069\*(0.039) |  |  |  |
| *Kuttabs*' share in 1951/52 \* Aged 0–5 in 1953 ($δ\_{14}$) | 0.695\*(0.402) | 0.981\*\*(0.467) | 0.114\*\*\*(0.042) |  |  |  |
| Christian \* *Kuttabs*' share in 1951/52 \* Aged 11–15 in 1953 ($δ\_{22}$) | 1.452(1.397) | 1.786(1.562) | 0.304\*\*(0.141) |  |  |  |
| Christian \* *Kuttabs*' share in 1951/52 \* Aged 6–10 in 1953 ($δ\_{23}$) | 1.259(1.725) | 1.655(1.723) | 0.182(0.114) |  |  |  |
| Christian \* *Kuttabs*' share in 1951/52 \* Aged 0–5 in 1953 ($δ\_{24}$) | –0.252(1.349) | –0.115(1.382) | 0.060(0.105) |  |  |  |
| *Kuttabs*' share in male student enrollment \* Aged 11–15 in 1953 ($δ\_{12}$) |  |  |  | 0.436(0.571) | 0.504(0.583) | 0.047(0.047) |
| *Kuttabs*' share in male student enrollment \* Aged 6–10 in 1953 ($δ\_{13}$) |  |  |  | 0.206(0.457) | 0.428(0.508) | 0.068(0.041) |
| *Kuttabs*' share in male student enrollment \* Aged 0–5 in 1953 ($δ\_{14}$) |  |  |  | 0.733\*\*(0.352) | 1.056\*\*(0.429) | 0.134\*\*\*(0.035) |
| Christian \* *Kuttabs*' share in enrollment \* Aged 11–15 in 1953 ($δ\_{22}$) |  |  |  | 0.895(1.455) | 0.901(1.591) | 0.196(0.149) |
| Christian \* *Kuttabs*' share in enrollment \* Aged 6–10 in 1953 ($δ\_{23}$) |  |  |  | 0.728(1.778) | 1.509(1.765) | 0.144(0.130) |
| Christian \* *Kuttabs*' share in enrollment \* Aged 0–5 in 1953 ($δ\_{24}$) |  |  |  | –0.667(1.499) | –0.325(1.513) | 0.018(0.126) |
| Christian  | Yes | Yes | Yes | Yes | Yes | Yes |
| Christian \* Year of birth FE?  | Yes | Yes | Yes | Yes | Yes | Yes |
| Year of birth FE?  | Yes | Yes | Yes | Yes | Yes | Yes |
| Christian \* District of birth FE?  | Yes | Yes | Yes | Yes | Yes | Yes |
| District of birth FE?  | Yes | Yes | Yes | Yes | Yes | Yes |
| P ($H\_{0}:δ\_{14}-δ\_{12}=0)$ | 0.474 | 0.154 | 0.006 | 0.438 | 0.124 | 0.003 |
| P ($H\_{0}:δ\_{14}-δ\_{13}=0)$ | 0.155 | 0.158 | 0.168 | 0.112 | 0.074 | 0.052 |
| P ($H\_{0}:δ\_{14}+δ\_{24}=0)$ | 0.745 | 0.518 | 0.108 | 0.964 | 0.605 | 0.234 |
| P ($H\_{0}:\left(δ\_{14}+δ\_{24}\right)-\left(δ\_{12}+δ\_{22}\right)=0)$ | 0.178 | 0.180 | 0.086 | 0.321 | 0.576 | 0.334 |
| P ($H\_{0}:\left(δ\_{14}+δ\_{24}\right)-\left(δ\_{13}+δ\_{23}\right)=0)$ | 0.221 | 0.138 | 0.345 | 0.273 | 0.123 | 0.415 |
| P ($H\_{0}:δ\_{24}-δ\_{22}=0)$ | 0.081 | 0.069 | 0.012 | 0.174 | 0.282 | 0.052 |
| P ($H\_{0}:δ\_{24}-δ\_{23}=0)$ | 0.093 | 0.047 | 0.177 | 0.114 | 0.033 | 0.143 |
| Number of Districts | 41 | 41 | 41 | 41 | 41 | 41 |
| Observations | 77,962 | 71,049 | 71,049 | 77,962 | 71,049 | 71,049 |
| Adjusted *R*2 | 0.069 | 0.071 | 0.041 | 0.069 | 0.071 | 0.041 |

*Notes*: \* p < 0.10, \*\* p < 0.05, \*\*\* p < 0.01. Standard errors clustered at the district of birth level are in parentheses. Rural districts of birth include districts of Al-Daqahliya, Al-Sharqiya, Al-Qalyubiya, Al-Gharbiya, Al-Minufiya, Al-Buhayra, Giza, Beni-Souaif, Al-Fayyum, Al-Minia, Asyut, Girga, Qena, and Aswan. Urban districts of birth include districts of Cairo, Alexandria, Suez, Damietta, Port Said, Al-Ismailiya, Red Sea, Sinai, and the oases of the Western Desert.

*Source*: Egypt’s 1986 10-percent individual-level population census sample merged with district-level data on schools from the *Annuaire Statistique 1949–1950 et 1950–1951* (1953, pp. 260–71). The sample is restricted to Egyptian Christian and Muslim males who were born in Egypt between 1934 and 1953 (aged 0–19 in 1953), with non-missing values on age, religion, district of birth, and education.

Table C.4

IMPACT OF REFORM ON EDUCATIONAL AND OCCUPATIONAL ATTAINMENT
BY RELIGION AND COHORT OF BIRTH—
EXCLUDING DISTRICTS OF BIRTH WITH FEWER THAN 20 SCHOOLS

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | (1) | (2) | (3) | (4) | (5) | (6) |
|  | Years of Schooling - Full Sample | Years of Schooling - Workers' Sample | White-Collar Dummy - Workers' Sample | Years of Schooling - Full Sample | Years of Schooling - Workers' Sample | White-Collar Dummy - Workers' Sample |
| *Kuttabs*' share in 1951/52 \* Aged 11–15 in 1953 ($δ\_{12}$) | –0.096(0.178) | –0.078(0.187) | 0.002(0.017) |  |  |  |
| *Kuttabs*' share in 1951/52 \* Aged 6–10 in 1953 ($δ\_{13}$) | –0.053(0.224) | –0.001(0.232) | 0.040\*\*(0.020) |  |  |  |
| *Kuttabs*' share in 1951/52 \* Aged 0–5 in 1953 ($δ\_{14}$) | 0.441\*\*(0.184) | 0.543\*\*\*(0.198) | 0.107\*\*\*(0.019) |  |  |  |
| Christian \* *Kuttabs*' share in 1951/52 \* Aged 11–15 in 1953 ($δ\_{22}$) | 0.635(0.562) | 0.654(0.587) | 0.081\*(0.043) |  |  |  |
| Christian \* *Kuttabs*' share in 1951/52 \* Aged 6–10 in 1953 ($δ\_{23}$) | 0.894(0.571) | 0.884(0.597) | 0.080(0.053) |  |  |  |
| Christian \* *Kuttabs*' share in 1951/52 \* Aged 0–5 in 1953 ($δ\_{24}$) | 0.462(0.677) | 0.797(0.586) | 0.059(0.046) |  |  |  |
| *Kuttabs*' share in male student enrollment \* Aged 11–15 in 1953 ($δ\_{12}$) |  |  |  | –0.102(0.149) | –0.098(0.158) | –0.001(0.014) |
| *Kuttabs*' share in male student enrollment \* Aged 6–10 in 1953 ($δ\_{13}$) |  |  |  | –0.107(0.202) | –0.103(0.207) | 0.020(0.018) |
| *Kuttabs*' share in male student enrollment \* Aged 0–5 in 1953 ($δ\_{14}$) |  |  |  | 0.288\*(0.167) | 0.357\*\*(0.180) | 0.080\*\*\*(0.017) |
| Christian \* *Kuttabs*' share in enrollment \* Aged 11–15 in 1953 ($δ\_{22}$) |  |  |  | 0.240(0.504) | 0.271(0.532) | 0.051(0.038) |
| Christian \* *Kuttabs*' share in enrollment \* Aged 6–10 in 1953 ($δ\_{23}$) |  |  |  | 0.402(0.536) | 0.424(0.590) | 0.056(0.051) |
| Christian \* *Kuttabs*' share in enrollment \* Aged 0–5 in 1953 ($δ\_{24}$) |  |  |  | 0.109(0.611) | 0.496(0.518) | 0.042(0.043) |
| Christian  | Yes | Yes | Yes | Yes | Yes | Yes |
| Christian \* Year of birth FE?  | Yes | Yes | Yes | Yes | Yes | Yes |
| Year of birth FE?  | Yes | Yes | Yes | Yes | Yes | Yes |
| Christian \* District of birth FE?  | Yes | Yes | Yes | Yes | Yes | Yes |
| District of birth FE?  | Yes | Yes | Yes | Yes | Yes | Yes |
| P ($H\_{0}:δ\_{14}-δ\_{12}=0)$ | 0.000 | 0.000 | 0.000 | 0.003 | 0.001 | 0.000 |
| P ($H\_{0}:δ\_{14}-δ\_{13}=0)$ | 0.001 | 0.001 | 0.000 | 0.006 | 0.002 | 0.000 |
| P ($H\_{0}:δ\_{14}+δ\_{24}=0)$ | 0.189 | 0.025 | 0.001 | 0.523 | 0.108 | 0.009 |
| P ($H\_{0}:\left(δ\_{14}+δ\_{24}\right)-\left(δ\_{12}+δ\_{22}\right)=0)$ | 0.488 | 0.134 | 0.044 | 0.592 | 0.148 | 0.064 |
| P ($H\_{0}:\left(δ\_{14}+δ\_{24}\right)-\left(δ\_{13}+δ\_{23}\right)=0)$ | 0.894 | 0.313 | 0.185 | 0.815 | 0.223 | 0.132 |
| P ($H\_{0}:δ\_{24}-δ\_{22}=0)$ | 0.731 | 0.776 | 0.615 | 0.779 | 0.633 | 0.826 |
| P ($H\_{0}:δ\_{24}-δ\_{23}=0)$ | 0.335 | 0.843 | 0.586 | 0.484 | 0.867 | 0.670 |
| Number of Districts | 133 | 133 | 133 | 133 | 133 | 133 |
| Observations | 412,801 | 379,438 | 379,438 | 412,801 | 379,438 | 379,438 |
| Adjusted *R*2 | 0.151 | 0.156 | 0.091 | 0.151 | 0.156 | 0.091 |

*Notes*: \* p < 0.10, \*\* p < 0.05, \*\*\* p < 0.01. Standard errors clustered at the district of birth level are in parentheses.

*Source*: Egypt’s 1986 10-percent individual-level population census sample merged with district-level data on schools from the *Annuaire Statistique 1949–1950 et 1950–1951* (1953, pp. 260–71). The sample is restricted to Egyptian Christian and Muslim males who were born in Egypt between 1934 and 1953 (aged 0–19 in 1953) in districts with at least 20 schools in 1951/52, with non-missing values on age, religion, district of birth, and education.

Table C.5

IMPACT OF REFORM ON EDUCATIONAL AND OCCUPATIONAL ATTAINMENT
BY RELIGION AND COHORT OF BIRTH—
EXCLUDING INTERNAL MIGRANTS

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | (1) | (2) | (3) | (4) | (5) | (6) |
|  | Years of Schooling - Full Sample | Years of Schooling - Workers' Sample | White-Collar Dummy - Workers | Years of Schooling - Full Sample | Years of Schooling - Workers' Sample | White-Collar Dummy - Workers |
| *Kuttabs*' share in 1951/52 \* Aged 11–15 in 1953 ($δ\_{12}$) | –0.236(0.209) | –0.149(0.220) | 0.006(0.018) |  |  |  |
| *Kuttabs*' share in 1951/52 \* Aged 6–10 in 1953 ($δ\_{13}$) | –0.419\*(0.250) | –0.314(0.257) | 0.035(0.022) |  |  |  |
| *Kuttabs*' share in 1951/52 \* Aged 0–5 in 1953 ($δ\_{14}$) | 0.366(0.233) | 0.545\*\*(0.246) | 0.126\*\*\*(0.021) |  |  |  |
| Christian \* *Kuttabs*' share in 1951/52 \* Aged 11–15 in 1953 ($δ\_{22}$) | 0.740(0.673) | 0.736(0.637) | 0.075(0.055) |  |  |  |
| Christian \* *Kuttabs*' share in 1951/52 \* Aged 6–10 in 1953 ($δ\_{23}$) | 1.231\*(0.644) | 1.275\*(0.661) | 0.121\*\*(0.055) |  |  |  |
| Christian \* *Kuttabs*' share in 1951/52 \* Aged 0–5 in 1953 ($δ\_{24}$) | 0.394(0.555) | 0.839(0.537) | 0.070(0.049) |  |  |  |
| *Kuttabs*' share in male student enrollment \* Aged 11–15 in 1953 ($δ\_{12}$) |  |  |  | –0.231(0.172) | –0.164(0.184) | 0.003(0.016) |
| *Kuttabs*' share in male student enrollment \* Aged 6–10 in 1953 ($δ\_{13}$) |  |  |  | –0.488\*\*(0.211) | –0.441\*\*(0.217) | 0.010(0.019) |
| *Kuttabs*' share in male student enrollment \* Aged 0–5 in 1953 ($δ\_{14}$) |  |  |  | 0.133(0.212) | 0.258(0.226) | 0.088\*\*\*(0.020) |
| Christian \* *Kuttabs*' share in enrollment \* Aged 11–15 in 1953 ($δ\_{22}$) |  |  |  | 0.338(0.620) | 0.310(0.609) | 0.033(0.049) |
| Christian \* *Kuttabs*' share in enrollment \* Aged 6–10 in 1953 ($δ\_{23}$) |  |  |  | 0.822(0.579) | 0.878(0.601) | 0.099\*\*(0.049) |
| Christian \* *Kuttabs*' share in enrollment \* Aged 0–5 in 1953 ($δ\_{24}$) |  |  |  | 0.219(0.540) | 0.636(0.521) | 0.063(0.046) |
| Christian  | Yes | Yes | Yes | Yes | Yes | Yes |
| Christian \* Year of birth FE?  | Yes | Yes | Yes | Yes | Yes | Yes |
| Year of birth FE?  | Yes | Yes | Yes | Yes | Yes | Yes |
| Christian \* District of birth FE?  | Yes | Yes | Yes | Yes | Yes | Yes |
| District of birth FE?  | Yes | Yes | Yes | Yes | Yes | Yes |
| P ($H\_{0}:δ\_{14}-δ\_{12}=0)$ | 0.000 | 0.000 | 0.000 | 0.020 | 0.014 | 0.000 |
| P ($H\_{0}:δ\_{14}-δ\_{13}=0)$ | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| P ($H\_{0}:δ\_{14}+δ\_{24}=0)$ | 0.210 | 0.024 | 0.001 | 0.546 | 0.125 | 0.004 |
| P ($H\_{0}:\left(δ\_{14}+δ\_{24}\right)-\left(δ\_{12}+δ\_{22}\right)=0)$ | 0.626 | 0.136 | 0.026 | 0.619 | 0.138 | 0.012 |
| P ($H\_{0}:\left(δ\_{14}+δ\_{24}\right)-\left(δ\_{13}+δ\_{23}\right)=0)$ | 0.917 | 0.391 | 0.351 | 0.969 | 0.306 | 0.265 |
| P ($H\_{0}:δ\_{24}-δ\_{22}=0)$ | 0.525 | 0.854 | 0.909 | 0.818 | 0.537 | 0.508 |
| P ($H\_{0}:δ\_{24}-δ\_{23}=0)$ | 0.119 | 0.393 | 0.234 | 0.230 | 0.607 | 0.329 |
| Number of Districts | 133 | 133 | 133 | 133 | 133 | 133 |
| Observations | 246,185 | 225,247 | 225,247 | 246,185 | 225,247 | 225,247 |
| Adjusted *R*2 | 0.153 | 0.160 | 0.094 | 0.153 | 0.160 | 0.094 |

*Notes*: \* p < 0.10, \*\* p < 0.05, \*\*\* p < 0.01. Standard errors clustered at the district of birth level are in parentheses.

*Source*: Egypt’s 1986 10-percent individual-level population census sample merged with district-level data on schools from the *Annuaire Statistique 1949–1950 et 1950–1951* (1953, pp. 260–71). The sample is restricted to Egyptian Christian and Muslim males who were born in Egypt between 1934 and 1953 (aged 0–19 in 1953) and whose district of residence in 1986 is the same as their district of birth, with non-missing values on age, religion, district of birth, and education.

Table C.6

IMPACT OF REFORM ON EDUCATIONAL AND OCCUPATIONAL ATTAINMENT
BY RELIGION AND COHORT OF BIRTH—CONTROLLING FOR THE INTENSITY OF THE 1961 REFORMS

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | (1) | (2) | (3) | (4) | (5) | (6) |
|  | Years of Schooling - Full Sample | Years of Schooling - Workers | White-Collar - Workers | Years of Schooling - Full Sample | Years of Schooling - Workers | White-Collar - Workers |
| *Kuttabs*' share in 1951/52 \* Aged 11–15 in 1953 ($δ\_{12}$) | –0.029(0.226) | –0.058(0.236) | –0.014(0.023) |  |  |  |
| *Kuttabs*' share in 1951/52 \* Aged 6–10 in 1953 ($δ\_{13}$) | –0.022(0.321) | 0.058(0.324) | 0.010(0.026) |  |  |  |
| *Kuttabs*' share in 1951/52 \* Aged 0–5 in 1953 ($δ\_{14}$) | 0.351(0.259) | 0.436(0.276) | 0.060\*\*(0.025) |  |  |  |
| Christian \* *Kuttabs*' share in 1951/52 \* Aged 11–15 in 1953 ($δ\_{22}$) | 0.497(0.914) | 0.647(0.970) | 0.132\*\*(0.066) |  |  |  |
| Christian \* *Kuttabs*' share in 1951/52 \* Aged 6–10 in 1953 ($δ\_{23}$) | 0.580(0.891) | 0.794(0.983) | 0.132(0.081) |  |  |  |
| Christian \* *Kuttabs*' share in 1951/52 \* Aged 0–5 in 1953 ($δ\_{24}$) | –0.463(0.889) | 0.123(0.818) | 0.087(0.066) |  |  |  |
| *Kuttabs*' share in male student enrollment \* Aged 11–15 in 1953 ($δ\_{12}$) |  |  |  | –0.086(0.185) | –0.117(0.195) | –0.016(0.019) |
| *Kuttabs*' share in male student enrollment \* Aged 6–10 in 1953 ($δ\_{13}$) |  |  |  | –0.106(0.272) | –0.095(0.272) | –0.008(0.022) |
| *Kuttabs*' share in male student enrollment \* Aged 0–5 in 1953 ($δ\_{14}$) |  |  |  | 0.184(0.224) | 0.230(0.237) | 0.038\*(0.021) |
| Christian \* *Kuttabs*' share in enrollment \* Aged 11–15 in 1953 ($δ\_{22}$) |  |  |  | –0.082(0.772) | 0.096(0.827) | 0.082(0.054) |
| Christian \* *Kuttabs*' share in enrollment \* Aged 6–10 in 1953 ($δ\_{23}$) |  |  |  | –0.165(0.782) | 0.057(0.907) | 0.080(0.074) |
| Christian \* *Kuttabs*' share in enrollment \* Aged 0–5 in 1953 ($δ\_{24}$) |  |  |  | –0.809(0.780) | –0.171(0.716) | 0.056(0.059) |
| Christian  | Yes | Yes | Yes | Yes | Yes | Yes |
| Christian \* Year of birth FE?  | Yes | Yes | Yes | Yes | Yes | Yes |
| Year of birth FE?  | Yes | Yes | Yes | Yes | Yes | Yes |
| Christian \* District of birth FE?  | Yes | Yes | Yes | Yes | Yes | Yes |
| District of birth FE?  | Yes | Yes | Yes | Yes | Yes | Yes |
| Controls for health characteristics?  | Yes | Yes | Yes | Yes | Yes | Yes |
| Controls for the 1961 reforms?  | Yes | Yes | Yes | Yes | Yes | Yes |
| P ($H\_{0}:δ\_{14}-δ\_{12}=0)$ | 0.038 | 0.010 | 0.000 | 0.078 | 0.034 | 0.000 |
| P ($H\_{0}:δ\_{14}-δ\_{13}=0)$ | 0.055 | 0.061 | 0.006 | 0.089 | 0.067 | 0.003 |
| P ($H\_{0}:δ\_{14}+δ\_{24}=0)$ | 0.897 | 0.469 | 0.040 | 0.409 | 0.930 | 0.129 |
| P ($H\_{0}:\left(δ\_{14}+δ\_{24}\right)-\left(δ\_{12}+δ\_{22}\right)=0)$ | 0.427 | 0.968 | 0.641 | 0.447 | 0.894 | 0.587 |
| P ($H\_{0}:\left(δ\_{14}+δ\_{24}\right)-\left(δ\_{13}+δ\_{23}\right)=0)$ | 0.262 | 0.648 | 0.933 | 0.477 | 0.865 | 0.600 |
| P ($H\_{0}:δ\_{24}-δ\_{22}=0)$ | 0.174 | 0.463 | 0.461 | 0.209 | 0.657 | 0.606 |
| P ($H\_{0}:δ\_{24}-δ\_{23}=0)$ | 0.075 | 0.294 | 0.389 | 0.189 | 0.698 | 0.595 |
| Number of Districts | 139 | 139 | 139 | 139 | 139 | 139 |
| Observations | 421,613 | 387,724 | 387,724 | 421,613 | 387,724 | 387,724 |
| Adjusted *R*2 | 0.155 | 0.160 | 0.094 | 0.155 | 0.160 | 0.094 |

*Notes*: \* p < 0.10, \*\* p < 0.05, \*\*\* p < 0.01. Standard errors clustered at the district of birth level are in parentheses. Controls for baseline district’s health characteristics include a full set of interactions of the Christian indicator, the three cohort of birth indicator variables (the base cohort is those who aged 16–19 in 1953), and each of the following district-level variables: (1) the number of fatalities and maladies from infectious diseases per 1,000 individuals in 1951/52, and (2) the number of hospital beds per 1,000 individuals in 1951/52. Controls for the 1961 reforms include a full set of interactions of the Christian indicator, the three cohort of birth indicator variables (the base cohort is those who aged 16–19 in 1953), and each of: (1) the distance between the district’s chef-lieu and the nearest public university in 1959/60, (2) the number of secondary schools per 1,000 male children who aged 5 to 19 years in the province in 1959/60, and (3) the logarithm of the number of males who work in administrative and social services in the district in 1947.

*Source*: Egypt’s 1986 10-percent individual-level population census sample merged with district-level data on schools and health characteristics from the *Annuaire Statistique 1949–1950 et 1950–1951* (1953, pp. 144–77, 260–71) and district-level measures of the intensity of the 1961 reform from the 1959/60 school census and the 1947 population census. The sample is restricted to Egyptian Christian and Muslim males who were born in Egypt between 1934 and 1953 (aged 0–19 in 1953), with non-missing values on age, religion, district of birth, education, and the 1961-reform intensity measures.

Panel 1: Total Number of Schools in District of Birth in 1951/52



Figure C.1

FREQUENCY DISTRIBUTIONS OF THE TOTAL NUMBER OF SCHOOLS AND
 OF THE TWO REFORM INTENSITY MEASURES IN DISTRICT OF BIRTH IN 1951/52

*Source*: The 1951/52 school census from the *Annuaire Statistique 1949–1950 et 1950–1951* (1953, pp. 260–71).

Panel 2: *Kuttabs*’ Share in Total Number of Schools in 1951/52



Figure C.1 (Continued)

FREQUENCY DISTRIBUTIONS OF THE TOTAL NUMBER OF SCHOOLS AND
 OF THE TWO REFORM INTENSITY MEASURES IN DISTRICT OF BIRTH IN 1951/52

*Source*: The 1951/52 school census from the *Annuaire Statistique 1949–1950 et 1950–1951* (1953, pp. 260–71).

Panel 3: *Kuttabs*’ Share in Total Number of Male Students in 1951/52



Figure C.1 (Continued)

FREQUENCY DISTRIBUTIONS OF THE TOTAL NUMBER OF SCHOOLS AND
 OF THE TWO REFORM INTENSITY MEASURES IN DISTRICT OF BIRTH IN 1951/52

*Source*: The 1951/52 school census from the *Annuaire Statistique 1949–1950 et 1950–1951* (1953, pp. 260–71).