

Online Appendix to

Jurisdiction, Crime, and Development: The Impact of Public Law 280 in Indian Country

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Table A1. PL280 Adoption

State	PL280 mandatory/optional status, year of adoption	Notes on exceptions, retrocessions, and law's application
California	Mandatory, 1953	No exceptions, never retroceded
Minnesota	Mandatory, 1953	Red Lake Reservation (Beltrami County) was an exception and did not adopt PL280. Red Lake Reservation partly lies in Clearwater County. However, White Earth Reservation also lies in Clearwater County. Since White Earth Reservation has more residents in the county than Red Lake Reservation, and since White Earth Reservation was not an exception to PL280, Clearwater County is coded as a mandatory PL280 area.
Nebraska	Mandatory, 1953	No exceptions. Two reservations retroceded. Omaha Reservation retroceded in 1970. Winnebago Reservation retroceded in 1986. The Omaha and Winnebago reservations are both located in Thurston County. Since Omaha Reservation is larger, Thurston County is coded according to Omaha's PL280 status, that is, as retroceded in 1970.
Oregon	Mandatory, 1953	Warm Springs Reservation (Wasco and Jefferson counties) was an exception and did not adopt PL280. Umatilla Reservation (Umatilla County) retroceded in 1981.
Wisconsin	Mandatory, 1953	The Menominee Reservation (Menominee County) was an exception to PL280 but was terminated in 1954 and placed under effective state jurisdiction. It was then re-instated in 1973 but did not consent to PL280 and hence effectively retroceded. Thus, Menominee County is coded as a mandatory PL280 area from 1954 to 1973. ^a
Nevada	Optional (w/o disclaimer), 1955 ^b	All reservations retroceded in 1975 with one exception. Ely Indian colony (White Pine County) retroceded in 1988.
Florida	Optional (w/o disclaimer), 1961	Never retroceded.
Montana	Optional (with disclaimer), 1963	PL280 adoption subject to tribal consent; only one reservation agreed: Flathead Reservation (Lake, Sanders, Missoula and Flathead counties), which partially retroceded in 1994.
Washington	Optional (with disclaimer), 1957/1963	Four reservations consented to state jurisdiction in 1957: Muckleshoot Reservation (King County); Nisqually Reservation (Thurston County); Skokomish and Squaxin Island Reservations (Mason County) (see Leonhard 2012). The rest of the reservations were subject to the 1963 amendments, which stripped tribes of their right of consent and imposed a jurisdictional transfer under PL280. Two reservations retroceded: Quinalt Reservation (Gray's Harbor County) in 1969; Suquamish Reservation (Kitsap County) in 1972.

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Table A1 (cont'd)

State	PL280 mandatory/optional status, year of adoption	Notes on exceptions, retrocessions, and law's application
South Dakota	Optional (with disclaimer), 1957	State jurisdiction applied to civil and criminal actions on highways only.
Arizona	Optional (with disclaimer), 1967	State jurisdiction applied to air and water pollution only.
Idaho	Optional (w/o disclaimer), 1973	State jurisdiction limited to criminal traffic offenses and juvenile offenses. Never retroceded.

Notes: Reservations were matched to counties using the National Atlas map making tool (<http://www.nationalatlas.gov/>) and the 1990 US Census of Population: Social and Economic Characteristics, American Indian and Alaska Native Areas (available at <http://www.census.gov/prod/cen1990/cp2/cp-2-1a-1.pdf>, <http://www.census.gov/prod/cen1990/cp2/cp-2-1a-2.pdf>).

Iowa, North Dakota, and Utah are optional states that never de facto adopted PL280. Iowa is an optional PL280 state without disclaimer that formally adopted PL280 in 1967, but de facto never asserted state jurisdiction (see Goldberg et al. 2008). North Dakota and Utah are optional states with a disclaimer, which formally adopted PL280 in 1963 and 1971, respectively, subject to tribal consent. Since no tribe ever consented, however, state jurisdiction in North Dakota and Utah was never asserted.

^a For detailed discussion of the history of the Menominee Reservation, see Herzberg (1977, 1978). Our results are robust to exclusion of the Menominee county from the sample.

^b <http://www.leg.state.nv.us/nrs/NRS-041.html#NRS041Sec430>.

Table A2. Variable Definitions and Description, Cross Section

Variable Name	Description	Source
Number of All Crimes in 1981	Number of offenses known to police, 1981	ICPSR ^a , Part 78, 1983 County Data Book
Number of Property Crimes in 1981	Number of property crimes known to police, 1981	Ibid.
Mandatory PL280	Dummy variable equal to 1 if county lies in one of Public Law 280 'mandatory' states (see Tables A1 and A6): California (all counties), Minnesota (all counties except Beltrami), Nebraska (all counties), Oregon (all counties except Jefferson and Wasco), and Wisconsin (all counties); and 0 otherwise	Goldberg et al. (2008); U.S. Code Title 18, Section 1162
Optional PL280	Dummy variable equal to 1 if county lies in one of the Public Law 280 'optional' states in which state jurisdiction applied broadly to criminal and civil matters; and 0 otherwise. For counties in the 'optional' PL280 states of Arizona, South Dakota, and Idaho, where Public Law 280-granted criminal jurisdiction was highly limited in scope (see Table A1), this Optional PL280 dummy variable is, therefore, coded as 0 (see Table A6).	Ibid.
Total Population in 1980	Total county population, 1980	ICPSR, Part 78, 1983 County Data Book
Local Gov't Expenditures on Police in 1977	Direct general expenditure for police protection by local government (in USD 1000s), 1977	Ibid.
Local Gov't Expenditures on Highways in 1977	Direct general expenditure for highways by local government (in USD 1000s), 1977	Ibid.
Persons Completed High School in 1950	Number of persons aged 25 and over with at least high school education, 1950	ICPSR, Part 35, 1950 County Data Book
Unemployed in 1950	Number of persons unemployed, aged 14 and over	Ibid.
Median Family Income in 1950	Median family income, in USD	Ibid.
Full-Blood American Indians Ratio in 1930	Number of full-blooded American Indians in the county divided by the total number of American Indians in the county, 1930	U.S. Census (1937), "The Indian Population of the United States and Alaska 1930", Table 53

^a Haines, Michael R.; Inter-University Consortium for Political and Social Research, "Historical, Demographic, Economic, and Social Data: The United States, 1790-2002", available at <http://www.icpsr.umich.edu/icpsrweb/ICPSR/studies/02896>

Table A3. Summary Statistics, Cross Section

Variable	No. obs.	Mean	Std. Dev.	Min.	Max.
Number of All Crimes in 1981	78	853.03	1349.12	2	6036
Number of Property Crimes in 1981	78	781.73	1227.83	1	5581
Mandatory PL280	78	0.1667	0.3751	0	1
Optional PL280	78	0.1154	0.3216	0	1
Total Population in 1980	78	20865.0	21932.5	3044	108514
Local Gov't Expenditures on Police in 1977	78	571.32	784.71	48	5221
Local Gov't Expenditures on Highways in 1977	78	1232.62	1142.79	25	7346
Persons Completed High School in 1950	78	2052.63	1987.58	250	14480
Unemployed in 1950	78	270.88	265.48	19	1645
Median Family Income in 1950	78	2400.31	694.61	880	3792
Full-Blood American Indians Ratio in 1930	69	0.5018	0.3175	0	0.9949

Notes: The table reports summary statistics for variables for the sample of counties with at least 5% American Indian reservation population in 1980, used in the regressions reported in Table 1. Summary statistics are very similar for the sample that excludes counties for which Optional PL280=1 (see Table 2).

Table A4. Variable Definitions and Description, Panel

Variable Name	Description	Source
Median Family Income	Median family income, in USD	ICPSR (see footnote to Table A2): Part 72, 1952 County Data Book; Part 74, 1962 County Data Book; Part 76, 1972 County Data Book; Part 78, 1983 County Data Book
PL280	Dummy variable equal to 1 if the county is in a given year associated with a reservation for which Public Law 280-granted state jurisdiction applies broadly to criminal and civil matters; and 0 otherwise. For counties in the 'optional' PL280 states of Arizona, South Dakota, and Idaho, where Public Law 280-granted criminal state jurisdiction was highly limited in scope (see Table A1), this PL280 dummy variable is, therefore, coded as 0 (see Table A7).	Goldberg et al. (2008); Nevada Revised Statutes; Leonhard (2012)
Percent Completed High School	The number of people in the county aged 25 or older who have completed high school divided by the population of people aged 25 and older, multiplied by 100	Same as for the variable Median Family Income

Table A5. Summary Statistics, Panel

Variable	No. obs.	Mean	Std. Dev.	Min.	Max.
Median Family Income	135	6689.53	4756.29	880	19792
PL280	135	0.0963	0.2961	0	1
Percent Completed High School	135	41.2	15.26	9.4	86.1

Notes: The table reports summary statistics for variables for all counties with at least 15% American Indian reservation population in 1980, used in the regressions reported in Table 4.

**Table A6. Cross-Sectional Dataset,
Counties with at Least 5% American Indian Population in the Year 1980 Containing a Reservation**

County	Reservation	Mandatory PL280	Optional PL280
Baraga, MI	L'Anse	0	0
Chippewa, MI	Bay Mills, Sault Ste. Marie	0	0
Mackinac, MI	Sault Ste. Marie	0	0
Schoolcraft, MI	Sault Ste. Marie	0	0
Ashland, WI	Bad River, Lac du Flambeau	1	0
Bayfield, WI	Lac Courte Oreilles, Bad River	1	0
Sawyer, WI	Lac Courte Oreilles	1	0
Vilas, WI	Lac du Flambeau	1	0
Brown, KS	Iowa, Kickapoo	0	0
Becker, MN	White Earth	1	0
Beltrami, MN	Red Lake, Leech Lake	0	0
Cass, MN	Leech Lake	1	0
Clearwater, MN	White Earth, Red Lake	1	0
Cook, MN	Grand Portage	1	0
Mahnomen, MN	White Earth	1	0
Sheridan, NE	Pine Ridge	1	0
Benson, ND	Spirit Lake	0	0
Dunn, ND	Fort Berthold	0	0
McKenzie, ND	Fort Berthold	0	0
Mountrail, ND	Fort Berthold	0	0
Rolette, ND	Turtle Mt.	0	0
Sioux, ND	Standing Rock	0	0
Bennett, SD	Rosebud, Pine Ridge	0	0
Brule, SD	Crow Creek, Lower Brule	0	0
Charles Mix, SD	Yankton	0	0
Corson, SD	Standing Rock, Cheyenne River	0	0
Day, SD	Lake Traverse	0	0
Hughes, SD	Lower Brule, Crow Creek	0	0
Lyman, SD	Lower Brule, Crow Creek	0	0
Marshall, SD	Lake Traverse	0	0

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Table A6 (continued)

County	Reservation	Mandatory PL280	Optional PL280
Moody, SD	Flandreau	0	0
Pennington, SD	Pine Ridge	0	0
Tripp, SD	Rosebud	0	0
Walworth, SD	Standing Rock, Cheyenne River	0	0
Glades, FL	Brighton	0	1
Neshoba, MS	Mississippi Choctaw	0	0
Graham, NC	Eastern Cherokee	0	0
Jackson, NC	Eastern Cherokee	0	0
Swain, NC	Eastern Cherokee	0	0
Apache, AZ	Navajo, Fort Apache	0	0
Coconino, AZ	Hopi, Havasupai	0	0
Gila, AZ	Fort Apache, San Carlos	0	0
Graham, AZ	Fort Apache, San Carlos	0	0
Navajo, AZ	Navajo, Hopi	0	0
Pinal, AZ	Papago, Gila River	0	0
Montezuma, CO	Ute Mountain, Southern Ute	0	0
Benewah, ID	Coeur d'Alene	0	0
Bingham, ID	Fort Hall	0	0
Big Horn, MT	Crow Creek, Northern Cheyenne	0	0
Blaine, MT	Fort Belknap	0	0
Hill, MT	Rocky Boy's	0	0
Lake, MT	Flathead	0	1
Phillips, MT	Fort Belknap	0	0
Pondera, MT	Blackfeet	0	0
Roosevelt, MT	Fort Peck	0	0
Rosebud, MT	Crow Creek, Northern Cheyenne	0	0
Valley, MT	Fort Peck	0	0
Elko, NV	Te-Moak, Duck Valley	0	1
Humboldt, NV	Fort McDermitt, Winnemucca Colony	0	1
Mineral, NV	Walker River	0	1

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Table A6 (continued)

County	Reservation	Mandatory PL280	Optional PL280
Pershing, NV	Lovelock Colony, Pyramid Lake	0	1
McKinley, NM	Jicarilla Apache, Ramah Community	0	0
Rio Arriba, NM	Jicarilla Apache, Navajo	0	0
Sandoval, NM	Cochiti Pueblo, Canoncito	0	0
San Juan, NM	Ute Mountain, Navajo	0	0
Socorro, NM	Alamo Navajo	0	0
Taos, NM	Taos Pueblo, Picuris Pueblo	0	0
Valencia, NM	Canoncito, Laguna Pueblo	0	0
San Juan, UT	Navajo, Ute Mountain	0	0
Uintah, UT	Uintah, Ouray	0	0
Fremont, WY	Wind River	0	0
Del Norte, CA	Smith River Rancheria, Elk Valley Rancheria	1	0
Humboldt, CA	Hoopla Valley	1	0
Inyo, CA	Big Pine Rancheria, Bishop Rancheria	1	0
Jefferson, OR	Warm Springs	0	0
Ferry, WA	Colville, Spokane	0	1
Okanogan, WA	Colville	0	1
Stevens, WA	Spokane, Colville	0	1

**Table A7. Panel Dataset,
Counties with at Least 15% American Indian Population in the Year 1980 Containing a Reservation**

County	Reservation	Year	PL280	County	Reservation	Year	PL280
Menominee, WI	Menominee	1950	0	Buffalo, SD	Crow Creek	1950	0
Menominee, WI		1960	1	Buffalo, SD		1960	0
Menominee, WI		1970	1	Buffalo, SD		1970	0
Menominee, WI		1980	0	Buffalo, SD		1980	0
Mahnomen, MN	White Earth	1950	0	Charles Mix, SD	Yankton	1950	0
Mahnomen, MN		1960	1	Charles Mix, SD		1960	0
Mahnomen, MN		1970	1	Charles Mix, SD		1970	0
Mahnomen, MN		1980	1	Charles Mix, SD		1980	0
Thurston, NE	Omaha, Winnebago	1950	0	Corson, SD	Standing Rock, Cheyenne River	1950	0
Thurston, NE		1960	1	Corson, SD		1960	0
Thurston, NE		1970	1	Corson, SD		1970	0
Thurston, NE		1980	0	Corson, SD		1980	0
Benson, ND	Spirit Lake	1950	0	Dewey, SD	Cheyenne River, Standing Rock	1950	0
Benson, ND		1960	0	Dewey, SD		1960	0
Benson, ND		1970	0	Dewey, SD		1970	0
Benson, ND		1980	0	Dewey, SD		1980	0
Rolette, ND	Turtle Mountain	1950	0	Jackson, SD	Rosebud, Pine Ridge	1950	0
Rolette, ND		1960	0	Jackson, SD		1960	0
Rolette, ND		1970	0	Jackson, SD		1970	0
Rolette, ND		1980	0	Jackson, SD		1980	0
Sioux, ND	Standing Rock	1950	0	Lyman, SD	Lower Brule, Crow Creek	1950	0
Sioux, ND		1960	0	Lyman, SD		1960	0
Sioux, ND		1970	0	Lyman, SD		1970	0
Sioux, ND		1980	0	Lyman, SD		1980	0
Bennett, SD	Rosebud, Pine Ridge	1950	0	Mellette, SD	Pine Ridge, Rosebud	1950	0
Bennett, SD		1960	0	Mellette, SD		1960	0
Bennett, SD		1970	0	Mellette, SD		1970	0
Bennett, SD		1980	0	Mellette, SD		1980	0

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Table A7 (continued)

County	Reservation	Year	PL280	County	Reservation	Year	PL280
Roberts, SD	Lake Traverse	1950	0	Navajo, AZ	Navajo, Hopi	1950	0
Roberts, SD		1960	0	Navajo, AZ		1960	0
Roberts, SD		1970	0	Navajo, AZ		1970	0
Roberts, SD		1980	0	Navajo, AZ		1980	0
Shannon, SD	Pine Ridge	1950	0	Big Horn, MT	Crow Creek, Northern Cheyenne	1950	0
Shannon, SD		1960	0	Big Horn, MT		1960	0
Shannon, SD		1970	0	Big Horn, MT		1970	0
Shannon, SD		1980	0	Big Horn, MT		1980	0
Todd, SD	Pine Ridge, Rosebud	1950	0	Blaine, MT	Fort Belknap, Rocky Boys	1950	0
Todd, SD		1960	0	Blaine, MT		1960	0
Todd, SD		1970	0	Blaine, MT		1970	0
Todd, SD		1980	0	Blaine, MT		1980	0
Ziebach, SD	Standing Rock, Cheyenne River	1950	0	Glacier, MT	Blackfeet	1950	0
Ziebach, SD		1960	0	Glacier, MT		1960	0
Ziebach, SD		1970	0	Glacier, MT		1970	0
Ziebach, SD		1980	0	Glacier, MT		1980	0
Swain, NC	Eastern Cherokee	1950	0	Lake, MT	Flathead	1950	0
Swain, NC		1960	0	Lake, MT		1960	0
Swain, NC		1970	0	Lake, MT		1970	1
Swain, NC		1980	0	Lake, MT		1980	1
Apache, AZ	Navajo, Fort Apache	1950	0	Roosevelt, MT	Fort Peck	1950	0
Apache, AZ		1960	0	Roosevelt, MT		1960	0
Apache, AZ		1970	0	Roosevelt, MT		1970	0
Apache, AZ		1980	0	Roosevelt, MT		1980	0
Coconino, AZ	Havasupai, Hopi	1950	0	Rosebud, MT	Crow Creek, Northern Cheyenne	1950	0
Coconino, AZ		1960	0	Rosebud, MT		1960	0
Coconino, AZ		1970	0	Rosebud, MT		1970	0
Coconino, AZ		1980	0	Rosebud, MT		1980	0

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Table A7 (continued)

County	Reservation	Year	PL280	County	Reservation	Year	PL280
McKinley, NM	Jicarilla Apache, Ramah Community	1950	0	Alpine, CA	Woodfords Community	1950	0
McKinley, NM		1960	0	Alpine, CA		1960	1
McKinley, NM		1970	0	Alpine, CA		1970	1
McKinley, NM		1980	0	Alpine, CA		1980	1
Sandoval, NM	Cochiti Pueblo, Canoncito	1950	0	Jefferson, OR	Warm Springs	1950	0
Sandoval, NM		1960	0	Jefferson, OR		1960	0
Sandoval, NM		1970	0	Jefferson, OR		1970	0
Sandoval, NM		1980	0	Jefferson, OR		1980	0
San Juan, NM	Ute Mountain, Navajo	1950	0	Ferry, WA	Colville, Spokane	1950	0
San Juan, NM		1960	0	Ferry, WA		1960	0
San Juan, NM		1970	0	Ferry, WA		1970	1
San Juan, NM		1980	0	Ferry, WA		1980	1
San Juan, UT	Navajo, Ute Mountain	1950	0				
San Juan, UT		1960	0				
San Juan, UT		1970	0				
San Juan, UT		1980	0				