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66. U. S. NATIONAL RESOURCES PLANNING BOARD, *Estimates of the Future Population of the United States 1940-2000*, prepared by W. S. Thompson and P. K. Whelpton. Washington 1943.
67. U. S. PUBLIC HEALTH SERVICE, *Vital Statistics of the United States 1958*, Vol. I. Washington 1960.
68. ———, *Monthly Vital Statistics Report*, Vol. 9, No. 13, May 31, 1961.
69. U. S. SENATE, 61st Cong., 3rd Sess., Doc. No. 747, Reports of the Immigration Commission, *Abstracts of Reports of the Immigration Commission*, Vol. II. Washington 1911, pp. 451-500.
70. UNIVERSITIES-NATIONAL BUREAU COMMITTEE FOR ECONOMIC RESEARCH, *Demographic and Economic Change in Developed Countries*, Spec. Conf. 11. Princeton 1960.
71. F. A. WALKER, "Immigration and Degradation," *Forum*, Aug. 1891, 11, 634-44.
72. ———, "Restriction of Immigration," *Atlantic Monthly*, June 1896, 77, 822-29.
73. M. ZELNICK, *Estimates of Annual Births and Birth Rates for the White Population of the United States from 1855 to 1934*. Unpublished doctoral dissertation, Princeton Univ., Oct. 1958.

APPENDIX A: BASIC DATA

This appendix presents the basic tables underlying Figures 1-8. Detailed notes explaining the underlying sources and methods and precise time reference of the observations start on p.46.

TABLE A-1—RATE OF CHANGE, TOTAL WHITE POPULATION, 1870-75/1955-59

Period	Rate of Change in Specified Quinquennium (per cent)	Period	Rate of Change in Specified Quinquennium (per cent)
1870-75	13.0	1915-20	5.6
1875-80	9.9	1920-25	8.6
1880-85	13.5	1925-30	6.3
1885-90	10.4	1930-35	3.5
1890-95	10.2	1935-40	3.6
1895-1900	8.2	1940-45	5.1
1900-05	9.7	1945-50	7.1
1905-10	10.6	1950-55	7.9
1910-15	9.2	1955-59 ^a	8.1

^a Adjusted to rate of change per quinquennium.

Sources: Through 1955 [27, p. 37, Table 1, cols. (1) and (3)]. The 1959 estimate was obtained by extrapolating the 1955 figure shown in [27] on the basis of the Bureau of the Census estimates for total white population (including adjustment for underenumeration of children aged 0-4) for July 1, 1955 and 1959 [53, No. 146 (Nov. 12, 1956), p. 7, and No. 212 (Jan. 26, 1960), p. 9].

TABLE A-2—LEVEL AND RATE OF CHANGE, CRUDE BIRTH RATE OF TOTAL WHITE POPULATION, 1855-59/1955-59

Period	Crude Birth Rate, Annual Average in Specified Quinquennium (per thousand)		Change in Crude Birth Rate since Preceding Period (per cent per quinquennium on base of given and preceding period)	
	Zelnick (1)	Official (2)	Zelnick (3)	Official (4)
1855-59	46.5	—	—	—
1860-64	41.5	—	-11.4	—
1865-69	39.7	—	-4.4	—
1870-74	39.7	—	0	—
1875-79	38.0	—	-4.4	—
1880-84	36.1	—	-5.1	—
1885-89	35.3	—	-2.2	—
1890-94	34.0	—	-3.8	—
1895-99	31.2	—	-8.6	—
1900-04	28.8	—	-8.0	—
1905-09	29.4	—	+2.1	—
1910-14	28.2	29.1	-4.2	—
1915-19	26.9	27.6	-4.7	-5.3
1920-24	25.2	26.0	-6.5	-6.0
1925-29	21.5	22.4	-15.8	-14.9
1930-34	18.3	18.9	-16.1	-16.9
1935-39	—	18.0	—	-4.9
1940-44	—	20.4	—	+12.5
1945-49	—	23.4	—	+13.7
1950-54	—	23.8	—	+1.7
1955-59	—	23.7	—	-.04

Source:

Column 1 [73].

Column 2 1909-54 [16, p. 26, Table 11].

1955-59 [58, p. 52, Table 52].

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TABLE A-3—LEVEL AND RATE OF CHANGE OF FERTILITY RATIO, 1865-69/1925-29, AND OF GENERAL FERTILITY RATE, 1920-24/1954-58, OF TOTAL WHITE POPULATION BY NATIVITY

Period	Fertility in Specified Quinquennium (per thousand)			Change in Fertility since Preceding Period (per cent per quinquennium on base of given and preceding period)		
	Total White (1)	Native White (2)	Foreign-Born White (3)	Total White (4)	Native White (5)	Foreign-Born White (6)
Fertility Ratio ^a						
1865-69	877	—	—	—	—	—
1870-74	855	—	—	-2.5	—	—
1875-79	812	771	971	-5.2	—	—
1880-84	783	743	938	-3.6	-3.7	-3.5
1885-89	744	706	889	-5.1	-5.1	-5.4
1890-94	723	672	927	-2.9	-4.9	+4.2
1895-99	665	628	819	-8.4	-6.8	-12.4
1900-04	636	606	768	-4.5	-3.6	-6.4
1905-09	632	601	754	-0.6	-0.8	-1.8
1910-14	610	566	793	-3.5	-6.0	+5.0
1915-19	614	575	792	+0.7	+1.6	-0.1
1920-24	586	574	648	-4.7	-0.2	-20.0
1925-29	505	508	486	-14.8	-12.2	-28.6
General Fertility Rate ^b						
1920-24	111.4	106.4	—	—	—	—
1925-29	95.7	93.4	—	-15.2	-13.0	—
1930-34	79.6	79.4	—	-18.4	-16.2	—
1935-39	74.7	75.6	—	-6.4	-4.9	—
1940-44	85.2	87.4	—	+13.1	+14.5	—
1945-49	100.7	102.6	—	+16.7	+16.0	—
1950-54	108.6	109.2	—	+7.5	+6.2	—
1954-58	114.8	115.4	—	+6.9 ^c	+6.9 ^c	—

^a Number of children under 5 years old per 1,000 women 20 to 44 years old.

^b Annual average total live births per 1,000 women 15 to 44 years old.

^c Adjusted to rate of change per quinquennium.

Source:

Fertility ratio, 1865-69/1925-29

Estimates of the present study based in large part on an unpublished memorandum prepared by Everett S. Lee of the University of Pennsylvania Study of Population Redistribution and Economic Growth providing age and parentage detail underlying the quinquennial series for 1870 to 1940 published by Kuznets [27].

General fertility rate, 1920-24/1954-58

Column 1 Average of annual data in [55, Series B-23]. Recent year data from [58, p. 56].

Column 2 Average of annual data in [55, Series B-24]. Recent year data from [67, p. 3-22].

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TABLE A-3a — WHITE CHILDREN UNDER 5 YEARS OLD BY NATIVITY AND PARENTAGE, 1870-1930

Date	Total White (1)	Native White, Total (2)	Native White of Native Parentage (3)	Native White of Foreign or Mixed Parentage (4)	Native White of Foreign Parentage (5)	Native White of Mixed Parentage			Foreign-Born White (9)
						Total (6)	Mother Native (7)	Mother Foreign (8)	
1870	5,333	5,243	—	—	—	—	—	—	90
1875	5,872	5,774	—	—	—	—	—	—	98
1880	6,246	6,179	4,379	1,800	1,238	329	234	234	67
1885	6,809	6,669	4,748	1,921	1,279	375	267	267	140
1890	7,348	7,252	5,084	2,167	1,436	428	304	304	96
1895	7,995	7,922	5,471	2,450	1,611	490	349	349	73
1900	8,177	8,123	5,721	2,403	1,559	493	351	351	54
1905	8,606	8,546	6,125	2,420	1,561	518	341	341	60
1910	9,664	9,558	6,827	2,731	1,858	543	330	330	106
1915	10,332	10,231	7,198	3,033	2,174	534	324	324	101
1920	10,950	10,902	7,893	3,009	2,158	530	322	322	48
1925	11,306	11,236	8,622	2,614	1,681	604	329	329	70
1930	10,543	10,508	8,464	2,044	1,171	586	286	286	35

Source: See pp. 50-51.

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TABLE A-3b — WHITE FEMALES AGED 20-44 BY NATIVITY, 1870-1930

Date	Total White (1)	Native White (2)	Foreign- Born White (3)
1870	6,084	4,550	1,534
1875	6,869	5,276	1,593
1880	7,692	6,105	1,587
1885	8,692	6,894	1,798
1890	9,869	7,803	2,066
1895	11,062	8,870	2,192
1900	12,292	9,894	2,398
1905	13,523	10,967	2,556
1910	15,302	12,258	3,044
1915	16,946	13,668	3,278
1920	17,845	14,654	3,191
1925	19,281	16,070	3,211
1930	20,892	17,820	3,072

Source: See pp. 51-52.

TABLE A-4—LEVEL AND RATE OF CHANGE OF FERTILITY RATIO OF NATIVE WHITE POPULATION, 1885-89/1925-29, AND OF TOTAL WHITE POPULATION, 1925-29/1954-58, BY RURAL-URBAN RESIDENCE

Period	Fertility Ratio in Specified Quinquennium (per thousand)			Change in Fertility Ratio since Preceding Period (per cent per decade, on base of given and preceding period)		
	Total (1)	Urban (2)	Rural (3)	Total (4)	Urban (5)	Rural (6)
Native White						
1885-89	671	434	818	—	—	—
1895-99	631	400	809	-6.1	-8.2	-1.1
1905-09	606	407	797	-4.0	+1.7	-1.5
1915-19	565	407	757	-7.0	0	-5.1
1925-29	503	384	686	-11.6	-5.8	-9.8
Total White						
1925-29	485	388	658	—	—	—
1935-39	400	311	551	-19.2	-22.1	-17.7
1945-49	551	479	673	+31.7	+42.5	+19.9
1954-58	651	566	n.a.	+18.5 ^a	+18.5 ^a	—

^a Adjusted to rate of change per decade.

Source: Native white, 1885-89, 1895-99. Estimates of the present study based chiefly on census reports and [45]. 1905-09 through 1925-29 [64, p. 30]. Total white, 1925-29 through 1945-49 [16, p. 17]. 1954-58, col. (1) derived from [53, Number 212 (Jan. 26, 1960), p. 9]; col. (2) estimated on the assumption that the relative change for urban white was the same as that for total white in col. (1).

TABLE A-5—FOREIGN-BORN WHITE POPULATION, RATIO OF MALES 25-34 TO FEMALES 20-29, AND PER CENT OF LATTER MARRIED, 1890-1930

Date	Ratio of Males 25-34 to Females 20-29 at Specified Date (per cent) (1)	Females 20-29, Per Cent Married at Specified Date (2)
1890	126	60.4
1900	129	61.3
1910	147	67.0
1920	154	75.3
1930	137	66.1

Source:

Column 1 [49, p. 16].

Column 2 Computed from the census sources cited in [45, p. 397, note a].

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TABLE A-6—FOREIGN-BORN WHITE POPULATION, LEVEL AND RATE OF CHANGE OF FERTILITY RATIO, AND OF RATIO OF MALES 25-34 TO FEMALES 20-29 AND OF FEMALES 20-34 TO FEMALES 20-44, 1875-79/1925-29

Period	Fertility Ratio in Specified Quinquennium (per thousand)	Ratio of Males 25-34 to Females 20-29	Ratio of Females 20-34 to Females 20-44	Change since Preceding Date (per cent per quinquennium, on base of given and preceding period)		
		At Following Census or Mid-census Date (per cent)		Fertility Ratio	Ratio of Males 25-34 to Females 20-29	Ratio of Females 20-34 to Females 20-44
	(1)	(2)	(3)	(4)	(5)	(6)
1875-79	971	140.1	56.9	—	—	—
1880-84	938	126.7	59.1	-3.5	-10.0	+3.8
1885-89	889	126.4	63.1	-5.4	-0.2	+6.5
1890-94	927	138.0	64.0	+4.2	+8.8	+1.4
1895-99	819	128.8	61.9	-12.4	-6.9	-3.3
1900-04	768	135.9	59.9	-6.4	+5.4	-3.2
1905-09	754	147.0	62.3	-1.8	+7.9	+3.9
1910-14	793	152.2	62.3	+5.0	+3.5	0
1915-19	792	153.6	57.6	-0.1	+0.9	-7.8
1920-24	648	147.8	54.4	-20.0	-3.8	-5.7
1925-29	486	137.1	50.5	-28.6	-7.5	-7.4

Source:

Column 1 Table A-3, col. 3.

Columns 2 and 3 Census dates: from census reports. Mid-census dates; estimates of the present study based in part on census reports [29] [31].

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TABLE A-7a—LEVEL AND RATE OF CHANGE, FERTILITY RATIO OF RURAL WHITE POPULATION AND REAL GROSS FARM INCOME PER ENGAGED, 1885-89/1925-29

Period	Fertility Ratio in Specified Quinquennium (per thousand) (1)	Real Gross Farm Income per Engaged in Quinquennium Approximately 1.25 Years Earlier (index: 1924-28=100) (2)	Change since Preceding Period (per cent per quinquennium, on base of given and preceding period)	
			Fertility Ratio (3)	Real Gross Farm Income per Engaged (4)
1885-89	845 ^a	55.4	—	—
1895-99	836	56.0	-0.6 ^a	+0.6
1905-09	821	81.9	-0.9	+18.8
1915-19	781	118.8	-2.5	+18.4
1925-29	686	100.0	-6.5	-8.6

^a Adjustment of the figure in column (1) to reflect underenumeration of children under 5 in excess of the National Resources Committee allowance of 5 per cent yields a value of 887. The rate of change in column (3) based on this adjusted 1885-89 figure is -3.0 per cent.

Source:

Column 1 Estimates of the present study based on census reports and [45].

Column 2 Gross farm income in current prices [39, p. 24, Table 8].

Persons engaged in farming [23, Table A-VI, pp. A-115-116]. Figures for the decade of the 'eighties are estimates of the present study based on [47, p. 46, Table 4].

Consumer's price index [34, pp. 150-51].

TABLE A-7b—LEVEL AND RATE OF CHANGE, CRUDE BIRTH RATE OF TOTAL FARM POPULATION AND REAL NET FARM INCOME PER HEAD OF FARM POPULATION, 1920-24/1954-58

Period	Crude Birth Rate, Annual Average in Specified Quinquennium (per thousand) (1)	Real Net Farm Income per Head of Farm Population in Quinquennium 1.25 Years Earlier (Index: 1924-28=100) (2)	Change since Preceding Period (per cent per quinquennium on base of given and preceding period)	
			Crude Birth Rate (3)	Real Net Farm Income per Head (4)
1920-24	26.0	85.0	—	—
1925-29	25.1	100.0	-3.6	+16.2
1930-34	22.7	76.9	-9.7	-26.1
1935-39	22.6	96.3	-0.5	+22.4
1940-44	23.9	149.0	+5.4	+43.0
1945-49	25.5	217.6	+6.4	+37.4
1950-54	24.8	185.5	-2.6	-15.9
1954-58	25.1	167.3	+1.5 ^a	-12.9 ^a

^a Adjusted to rate of change per quinquennium.

Source:

Column 1 1920-1949, [63, pp. 8-14]. 1950-58, [62, p. 6].

Column 2 Net income to persons on farms from farming [55, p. 283, series K-128]. 1955-58 [60, p. 488, Table 688].

Farm population, same sources as for col. (1).

Prices paid by farmers for family living, 1920-54 [55, Series K-132]. 1955 on [60, p. 479, Table 682].

TABLE A-8—LEVEL AND RATE OF CHANGE OF URBAN NATIVE WHITE FERTILITY RATIO, UNEMPLOYMENT RATE OF CIVILIAN LABOR FORCE, AND RATE OF CHANGE OF TOTAL WHITE MALE POPULATION AGED 20-29, 1885-89/1954-58

Period	Fertility Ratio in Specified Quinquennium ^a (per thousand)	Per Cent of Civilian Labor Force Unemployed in Quinquennium Approximately 1.25 Years Earlier	Change in Total White Male Population Aged 20-29 in Specified Quinquennium (per cent per quinquennium)	Change since Preceding Period		
				Fertility Ratio (per cent per decade on base of given and preceding quinquennium) (4)	Per Cent of Civilian Labor Force Unemployed (percentage points) (5)	Change in Total White Male Population Aged 20-29 (percentage points) (6)
	(1)	(2)	(3)	(4)	(5)	(6)
1885-89	434	5.0	11.4	—	—	—
1895-99	400	11.7	7.4	-8.1	+6.7	-4.0
1905-09	407	3.8	15.8	+1.7	-7.9	+8.4
1915-19	407	5.7	-2.2	0	+1.9	-18.0
1925-29	384 ^a	4.0	7.7	-5.8	-1.7	+9.9
1935-39	311	18.4	3.3 ^c	-22.0	+14.4	-4.4
1945-49	479	2.8 ^b	-0.4	+42.5	-15.6	-4.0
1954-58	566	4.3	-2.6	+18.5 ^d	+1.7 ^d	-2.4 ^d

^a For 1935-39 on figures are for urban total white. The overlap value for 1925-29 comparable to later dates is 388.

^b Figures for 1954-58 are from a different source than those for earlier dates. The overlap value for 1945-49 comparable to 1954-58 is 2.9.

^c Figures for 1945-49 on are from a different source than those for earlier dates. The overlap value for 1935-39 comparable to later dates is 3.6.

^d Adjusted to rate of change per decade.

Source:

Column 1 Table A-4, col. 2.

Column 2 1900-1948 [30, p. 215]. 1944-48 (overlap value) and 1953-57 [59, p. 1, Table A-1]. 1894-98, a preliminary extension of the 1900-1948 series kindly provided by Stanley Leber-gott. The 1884-88 estimate was made by the present writer on the basis of [14, p. 128].

Column 3 Through 1935-39, computed from figures for census dates from basic census reports, and for mid-census dates from estimates of present study made largely on the basis of the first source cited in Table A-3. For 1935-39 (comparable to later years) on, figures computed from [53, Nos. 98, 114, 146, 212].