# The Rise and Fall of Female Labor Force Participation During World War II in the United States

Online Appendix

January 30, 2018

### Female wartime employment

I digitized data on total, female, and nonwhite reported employment, as well as number of reporting establishments, by metro area from ES-270 summaries from July, September and November 1943, June, July and September 1944, and January and March 1945. Some metro areas reported lie in multiple states. In these cases, I assign the recorded employment counts to both states for analyses at that level of aggregation. Results are robust to dropping these areas, which account for less than a third of reported employment. I also recorded reported aggregate total and female employment by industry. I use the data from July 1944, when aggregate female employment was roughly at its peak, but have also considered the average employment in all data collected.

I collected data from USES reports on total, female, veteran and World War II veteran placements by state for 37 months between 1942 and early 1946. Not all months from 1942-1946 are included due to gaps in the reported information and changes in reports' layout. There is continuous data on total and female placements by state for 1943 and the second half of 1944 through 1946. Aggregate female and total placements are available continuously. The precise set of variables recorded varies over time. Beginning in 1944, the data contain information on total new job applications by state. In 1946, new female job applications are reported. In addition to the state-level data, I collected information on placements for men and women in 37 detailed industry categories from November 1944 to April 1946. In analyses using state-level information on total female placements, I sum total placements over 1943 and the second half of 1944 through 1945, omitting the first half of 1944 because the data is missing. Results are robust to several variations, including dropping 1943 data.

#### Manpower mobilization

Inductions data come primarily from the National Archive's online database of Army Enlistment Records. The full database includes records for 9,200,232 total observations. From these, I identified 8,361,427 records with valid state and county of residence fields after dropping Alaska and Hawaii, records with corrupt or missing data. For a small subset of records with missing state of residence data, I replaced the field using the state of enlistment. I then summed total enlistment counts by SEA and state and divided by the 1940 male population aged 21-54 to form the primary measure of induction intensity.

Casualty data primarily come from the Army and Army Air Forces "Honor Roles of Dead and Missing." These documents list the total Army and Army Air Force deaths in the line of duty for each state and county and cover the period May 27, 1941 through January 31, 1946. These figures include those killed in action, deaths from wounds or injuries, non-battle deaths, missing men, and all others determined dead by law. For each death, the War Department also reported a location. This location corresponds to either the solider's home upon induction or, if he gave no address when inducted, the address of his next-of-kin. If neither of these addresses were available, the reports list the location of the solider's draft board. Failing that, soldiers are listed as "State at Large."<sup>1</sup> I digitized these records to obtain county-level sums.

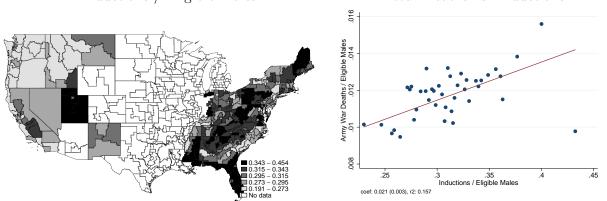
I then added total deaths from lists of War Casualties for the Navy, Marine Corps, and Coast Guard, which comprised roughly (25%) of the total fighting force. These records

<sup>&</sup>lt;sup>1</sup>A negligible number of soldiers fall into this category.

list individuals killed in the service and their home address. Addresses were digitized and geocoded, yielding a roughly 93% match rate. After throwing out corrupted and missing entries, the combined induction and casualty data record information for 3,064 counties. This includes the distribution of 368,592 deaths.

Casualties are a strong predictor of inductions in areas where the induction data is high quality, as shown in Figure 1 Panel B. The figure is a binned scatter plot of inductions (i.e., mobilization rates) against war deaths as a fraction of military aged males for commuting zones in all states where at least 80% of known induction totals are captured.

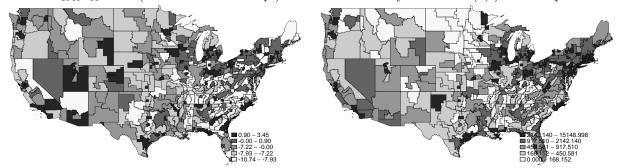
Figure 1: Induction Data Availability and Relationship with War Deaths A. Inductions / Eligible Males B. War Deaths vs. Inductions



Notes: The outcome mapped in Panel A is total inductions measured in the National Archives dataset divided by the 1940 male population aged 21-54. Only areas where the data provides at least 80% coverage of the known totals are mapped. Panel B plots total war deaths divided by the 1940 male population aged 21-54 against induction rates in the same areas. The regression line is weighted by total 1940 population.

## Supplemental Figures and Tables

### Figure 2: War Contracts, Manpower Mobilization, and Female Employment A. $\triangle_{1940-44} asinh(WMC \ Female \ Emp.)$ B. Military Contracts (\$) / 1940 Pop. 16+



Notes: Panel A maps the change in the inverse hyperbolic since of WMC female employment from 1940 (measured as IPUMS 1950 industry codes 200-599 and 900-946) to July 1944. Asinh provides an approximate to natural logs when some values are zeros. Panel B maps total war contracts spending from 1940-1945 divided by the 1940 population aged 16 or older.

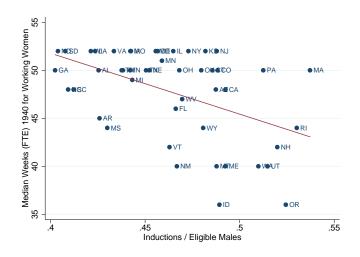


Figure 3: Weeks Worked in 1940 and Mobilization

*Notes:* Sample is the same as in Table ?? but restricted to women with positive weeks worked and in the year 1940 only. See the notes to Table ?? for additional details on sample.

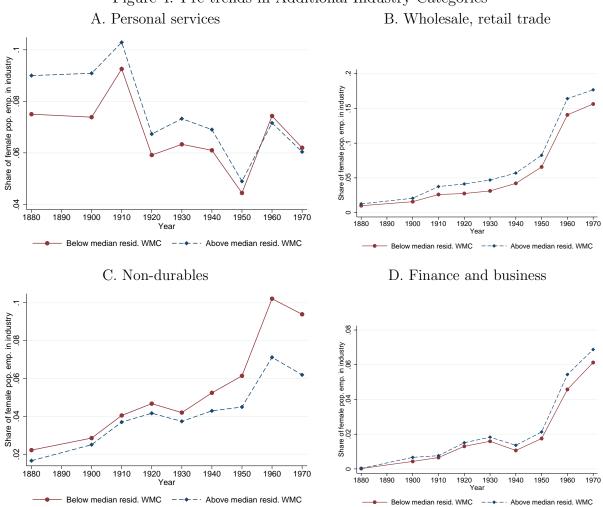


Figure 4: Pre-trends in Additional Industry Categories

Notes: Figures plot the share of women employed in various industries for SEAs with above and below median WMC employment intensities residualized on the 1940 controls included in all regressions. Results should be interpreted with caution because definitions of and the universe asked about labor force participation and industry changed across years. Until 1930 participation was defined as reporting any gainful occupation. In 1940 and after, participation meant having, seeking, or being temporarily absent from work. From 1880-1920 all those reporting gainful occupation were asked about their industry. In 1930, all individuals were asked. For 1940-1950, only those in the labor force were asked. And in 1960, those who had worked in the previous 10 years but not persons with a job but not at work last week or new workers were asked..

	WMC Employment July 1944 (multistates double counted)			Total USES Placements				
state	Total ('000)	Female $('000)$	%female	Female / 1940 fem. pop	Total ('000)	Female $('000)$	%female	Female / 1940 fem. pop
AL	227.4	65.81	0.289	0.0693	528.6	152.6	0.289	0.161
AR	42.87	20.92	0.488	0.0320	315.5	78.45	0.249	0.120
AZ	19.84	7.332	0.370	0.0456	151.9	44.64	0.294	0.277
CA	1005	308.6	0.307	0.116	2639	807.5	0.306	0.302
CO	61.25	21.11	0.345	0.0523	252.5	60.05	0.238	0.149
CT	381.7	140.1	0.367	0.209	312.0	112.4	0.360	0.168
DE	50.02	14.42	0.288	0.145	59.92	20.79	0.347	0.208
$\mathbf{FL}$	129.6	36.70	0.283	0.0521	503.1	173.5	0.345	0.246
$\mathbf{GA}$	225.7	86.58	0.384	0.0797	611.3	210.6	0.344	0.194
IA	147.1	47.18	0.321	0.0506	322.6	118.8	0.368	0.127
ID	6.667	2.255	0.338	0.0132	95.75	20.24	0.211	0.118
$\mathbf{IL}$	1263	417.3	0.330	0.137	1166	316.4	0.271	0.104
IN	670.4	198.4	0.296	0.156	745.8	268.8	0.360	0.211
KS	174.8	66.08	0.378	0.0997	332.0	96.21	0.290	0.145
KY	298.8	98.43	0.329	0.103	419.1	106.5	0.254	0.111
LA	126.4	30.73	0.243	0.0374	246.9	58.77	0.238	0.0716
MA	697.7	267.3	0.383	0.155	666.9	284.5	0.427	0.165
MD	362.2	104.3	0.288	0.154	395.4	160.9	0.407	0.237
ME	91.00	24.93	0.274	0.0818	157.7	51.39	0.326	0.169
MI	1099	327.6	0.298	0.174	881.5	247.5	0.281	0.132
MN	131.6	39.89	0.303	0.0397	480.4	135.3	0.282	0.135
MO	339.1	115.3	0.340	0.0800	689.2	209.2	0.303	0.145
MS	11.30	3.930	0.348	0.00542	280.4	94.87	0.338	0.131
MT	4.328	1.017	0.235	0.00545	78.39	11.43	0.146	0.0613
NC	138.1	59.52	0.431	0.0501	544.5	197.0	0.362	0.166
NE	53.61	21.18	0.395	0.0444	175.0	42.50	0.243	0.0891
NH	63.13	20.86	0.331	0.112	65.82	29.01	0.441	0.156
NJ	1283	418.6	0.326	0.257	854.3	329.8	0.386	0.202
NM	3.055	1.296	0.424	0.00785	85.12	14.89	0.175	0.0902
NV	7.681	2.230	0.290	0.0618	94.75	19.48	0.206	0.539
NY	1166	384.6	0.330	0.0723	2779	1113	0.401	0.209
OH	1075	336.4	0.313	0.129	1634	552.6	0.338	0.212
OK	86.79	33.18	0.382	0.0415	311.6	72.16	0.232	0.0903
PA	1448	387.1	0.267	0.105	1381	452.2	0.328	0.123
RI	130.2	55.88	0.429	0.198	166.9	70.35	0.422	0.250
SC	108.0	38.72	0.358	0.0622	298.9	112.5	0.376	0.181
SD	5.304	2.158	0.407	0.00992	46.33	13.65	0.295	0.0627
TN	190.1	68.72	0.361	0.0675	519.5	155.7	0.300	0.153
ΤX	358.3	95.00	0.265	0.0422	1466	369.1	0.252	0.164
UT	44.27	16.60	0.375	0.0909	195.5	52.62	0.269	0.288
VA	196.0	62.12	0.317	0.0672	478.1	171.0	0.358	0.185
WA	333.3	97.25	0.292	0.152	779.5	213.7	0.274	0.334
WI	362.5	106.8	0.295	0.0946	544.7	202.7	0.372	0.179
WV	156.9	31.34	0.200	0.0504	260.9	64.96	0.249	0.104
WY	3.437	1.646	0.200 0.479	0.0203	52.11	8.714	0.167	0.107
DC	50.97	12.73	0.250	0.0450	135.1	70.82	0.524	0.250
ND	0	0	0.250	0.0450	46.29	13.34	0.288	0.250
OR	139.0	39.44	0.284	0.0970	482.5	139.6	0.289	0.343
VT	13.20	3.391	0.254 0.257	0.0263	32.60	11.48	0.269 0.352	0.0891
· 1	10.20	0.001	0.201	0.0200	52.00	11.10	0.002	0.0001

Table 1: Summary of WMC and USES Data by State (1)

Notes: Table displays raw state-level measures of total employment / placements, female employment / placements, female shares, and female employment / placements normalized by each state's 1940 female population 16+ years old. The left-hand side of the table uses WMC data for July 1944 with geographies that lie in multiple states are assigned to both states (double counted). The right-hand side uses USES placement data for 1943 and the second half of 1944 through 1945, which represents all data available from Pearl Harbor to VJ day.

	USES Placements 1944q3			
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	Female / 0 fem. pop			
AR         27.34         14.99         0.548         0.0229         35.23         9.158         0.260           AZ         19.84         7.332         0.370         0.0456         17.68         5.980         0.338           CA         954.0         295.9         0.310         0.111         362.4         109.6         0.303           CC         61.25         21.11         0.345         0.0523         30.68         7.500         0.244           CT         381.7         140.1         0.367         0.209         39.62         14.33         0.362           DE         50.02         14.42         0.288         0.145         7.128         3.032         0.425           FL         129.6         36.70         0.283         0.0521         58.48         20.88         0.389           IA         55.04         17.90         0.325         0.0192         54.07         22.37         0.414           ID         6.667         2.255         0.336         0.0132         12.04         3.366         0.280           IL         811.5         295.0         0.364         0.0968         212         40.03         0.189           IN <t< td=""><td>0.0238</td></t<>	0.0238			
AZ         19.84         7.332         0.370         0.0456         17.68         5.980         0.338           CA         954.0         295.9         0.310         0.111         362.4         109.6         0.303           CO         61.25         21.11         0.345         0.0523         30.68         7.500         0.244           CT         381.7         140.1         0.367         0.209         39.62         14.33         0.362           DE         50.02         14.42         0.283         0.0521         58.48         20.88         0.357           GA         147.0         53.77         0.366         0.0495         98.94         38.49         0.389           IA         55.04         17.90         0.325         0.0192         54.07         22.37         0.414           ID         6.667         2.255         0.338         0.0132         12.04         3.366         0.280           IN         291.7         101.1         0.347         0.0795         98.85         31.88         0.322           KS         60.99         23.54         0.386         0.0355         39.01         12.89         0.330           KY	0.0140			
CA         954.0         295.9         0.310         0.111         362.4         109.6         0.303           CO         61.25         21.11         0.345         0.0523         30.68         7.500         0.244           CT         381.7         140.1         0.367         0.209         39.62         14.33         0.362           DE         50.02         14.42         0.288         0.145         7.128         3.032         0.425           FL         129.6         36.70         0.283         0.0521         58.48         20.88         0.357           GA         147.0         53.77         0.366         0.0495         98.94         38.49         0.389           IA         55.04         17.90         0.325         0.0192         54.07         22.37         0.414           ID         6.667         2.255         0.338         0.0132         12.04         3.366         0.280           IL         811.5         295.0         0.364         0.0968         212         40.03         0.189           IN         291.7         101.1         0.347         0.0755         98.85         31.88         0.322           KS <t< td=""><td>0.0372</td></t<>	0.0372			
CO         61.25         21.11         0.345         0.0523         30.68         7.500         0.244           CT         381.7         140.1         0.367         0.209         39.62         14.33         0.362           DE         50.02         14.42         0.288         0.145         7.128         3.032         0.425           FL         129.6         36.70         0.283         0.0521         58.48         20.88         0.357           GA         147.0         53.77         0.366         0.0495         98.94         38.49         0.389           IA         55.04         17.90         0.325         0.0192         54.07         22.37         0.414           ID         6.667         2.255         0.364         0.0968         212         40.03         0.189           IL         811.5         295.0         0.364         0.0355         39.01         12.89         0.330           KS         60.99         23.54         0.386         0.0355         39.01         12.89         0.330           KY         8.031         2.968         0.370         0.125         84.32         35.81         0.425           MD <t< td=""><td>0.0410</td></t<>	0.0410			
CT         381.7         140.1         0.367         0.209         39.62         14.33         0.362           DE         50.02         14.42         0.288         0.145         7.128         3.032         0.425           FL         129.6         36.70         0.283         0.0521         58.48         20.88         0.357           GA         147.0         53.77         0.366         0.0495         98.94         38.49         0.389           IA         55.04         17.90         0.325         0.0192         54.07         22.37         0.414           ID         6.667         2.255         0.338         0.0132         12.04         3.366         0.280           II.         811.5         295.0         0.364         0.0968         212         40.03         0.322           KS         60.99         23.54         0.386         0.0355         39.01         12.89         0.330           KY         8.031         2.968         0.370         0.00309         58.07         17.45         0.301           LA         126.4         30.73         0.243         0.0374         34.79         7.269         0.209           MA	0.0186			
DE         50.02         14.42         0.288         0.145         7.128         3.032         0.425           FL         129.6         36.70         0.283         0.0521         58.48         20.88         0.357           GA         147.0         53.77         0.366         0.0495         98.94         38.49         0.389           IA         55.04         17.90         0.325         0.0192         54.07         22.37         0.414           ID         6.667         2.255         0.338         0.0132         12.04         3.366         0.280           IL         811.5         295.0         0.364         0.0968         212         40.03         0.189           IN         291.7         101.1         0.347         0.0795         98.85         31.88         0.322           KS         60.99         2.354         0.386         0.0355         39.01         12.89         0.301           LA         126.4         30.73         0.243         0.0374         34.79         7.269         0.209           MA         582.0         215.5         0.370         0.125         84.32         35.81         0.425           MD         <	0.0214			
FL         129.6         36.70         0.283         0.0521         58.48         20.88         0.357           GA         147.0         53.77         0.366         0.0495         98.94         38.49         0.389           IA         55.04         17.90         0.325         0.0192         54.07         22.37         0.414           ID         6.667         2.255         0.338         0.0132         12.04         3.366         0.280           IL         811.5         295.0         0.364         0.0968         212         40.03         0.189           IN         291.7         101.1         0.347         0.0795         98.85         31.88         0.322           KS         60.99         23.54         0.386         0.0355         39.01         12.89         0.330           KY         8.031         2.968         0.370         0.00309         58.07         17.45         0.301           LA         126.4         30.73         0.243         0.0374         34.79         7.269         0.209           MA         582.0         215.5         0.370         0.122         72.13         32.55         0.451           ME	0.0304			
GA         147.0         53.77         0.366         0.0495         98.94         38.49         0.389           IA         55.04         17.90         0.325         0.0192         54.07         22.37         0.414           ID         6.667         2.255         0.338         0.0132         12.04         3.366         0.280           IL         811.5         295.0         0.364         0.0968         212         40.03         0.189           IN         291.7         101.1         0.347         0.0755         98.85         31.88         0.322           KS         60.99         23.54         0.386         0.0355         39.01         12.89         0.301           LA         126.4         30.73         0.243         0.0374         34.79         7.269         0.209           MA         582.0         215.5         0.370         0.125         84.32         35.81         0.425           MD         230.0         69.24         0.301         0.102         72.13         32.55         0.451           ME         67.11         19.46         0.290         0.0639         18.74         6.230         0.333           MI         <	0.0296			
IA         55.04         17.90         0.325         0.0192         54.07         22.37         0.414           ID         6.667         2.255         0.338         0.0132         12.04         3.366         0.280           IL         811.5         295.0         0.364         0.0968         212         40.03         0.189           IN         291.7         101.1         0.347         0.0795         98.85         31.88         0.322           KS         60.99         23.54         0.386         0.03055         39.01         12.89         0.330           KY         8.031         2.968         0.370         0.00309         58.07         17.45         0.301           LA         126.4         30.73         0.243         0.0374         34.79         7.269         0.209           MA         582.0         215.5         0.370         0.125         84.32         35.81         0.425           MD         230.0         69.24         0.301         0.102         72.13         32.55         0.451           ME         67.11         19.46         0.290         0.0639         18.74         6.230         0.333           MI	0.0354			
ID         6.667         2.255         0.338         0.0132         12.04         3.366         0.280           IL         811.5         295.0         0.364         0.0968         212         40.03         0.189           IN         291.7         101.1         0.347         0.0795         98.85         31.88         0.322           KS         60.99         23.54         0.386         0.0355         39.01         12.89         0.301           KY         8.031         2.968         0.370         0.00309         58.07         17.45         0.301           LA         126.4         30.73         0.243         0.0374         34.79         7.269         0.209           MA         582.0         215.5         0.370         0.125         84.32         35.81         0.425           MD         230.0         69.24         0.301         0.102         72.13         32.55         0.451           ME         67.11         19.46         0.290         0.0639         18.74         6.230         0.333           MI         96.59         285.7         0.296         0.152         110.1         28.10         0.255           MN         <	0.0240			
IL         811.5         295.0         0.364         0.0968         212         40.03         0.189           IN         291.7         101.1         0.347         0.0795         98.85         31.88         0.322           KS         60.99         23.54         0.386         0.0355         39.01         12.89         0.330           KY         8.031         2.968         0.370         0.00309         58.07         17.45         0.301           LA         126.4         30.73         0.243         0.0374         34.79         7.269         0.209           MA         582.0         215.5         0.370         0.125         84.32         35.81         0.425           MD         230.0         69.24         0.301         0.102         72.13         32.55         0.451           ME         67.11         19.46         0.290         0.0639         18.74         6.230         0.333           MI         965.9         285.7         0.296         0.152         110.1         28.10         0.255           MN         108.7         36.73         0.338         0.0366         63.60         22.45         0.353           MO         <	0.0196			
IN291.7101.10.3470.079598.8531.880.322KS60.9923.540.3860.035539.0112.890.330KY8.0312.9680.3700.0030958.0717.450.301LA126.430.730.2430.037434.797.2690.209MA582.0215.50.3700.12584.3235.810.425MD230.069.240.3010.10272.1332.550.451ME67.1119.460.2900.063918.746.2300.333MI965.9285.70.2960.152110.128.100.255MN108.736.730.3380.036663.6022.450.353MO9.1213.5870.3930.0024989.3324.230.271MS11.303.9300.3480.0054239.7014.520.366MT4.3281.0170.2350.0054510.851.6290.150NC138.159.520.4310.050183.6431.680.379NE11.825.6900.4810.011921.606.0540.280NH26.0412.010.4610.06447.6403.8010.498NJ689.9245.80.3560.151112.344.550.397NM3.0551.2960.4240.0078510.451.8180.174NV <td>0.0131</td>	0.0131			
KS60.9923.540.3860.035539.0112.890.330KY8.0312.9680.3700.0030958.0717.450.301LA126.430.730.2430.037434.797.2690.209MA582.0215.50.3700.12584.3235.810.425MD230.069.240.3010.10272.1332.550.451ME67.1119.460.2900.063918.746.2300.333MI965.9285.70.2960.152110.128.100.255MN108.736.730.3380.036663.6022.450.353MO9.1213.5870.3930.0024989.3324.230.271MS11.303.9300.3480.0054239.7014.520.366MT4.3281.0170.2350.0054510.851.6290.150NC138.159.520.4310.050183.6431.680.379NE11.825.6900.4810.011921.606.0540.280NH26.0412.010.4610.06447.6403.8010.498NJ689.9245.80.3560.151112.344.550.397NM3.0551.2960.4240.0078510.451.8180.174NV7.6812.2300.2900.06188.3862.0830.248NY <td>0.0250</td>	0.0250			
KY8.0312.9680.3700.0030958.0717.450.301LA126.430.730.2430.037434.797.2690.209MA582.0215.50.3700.12584.3235.810.425MD230.069.240.3010.10272.1332.550.451ME67.1119.460.2900.063918.746.2300.333MI965.9285.70.2960.152110.128.100.255MN108.736.730.3380.036663.6022.450.353MO9.1213.5870.3930.0024989.3324.230.271MS11.303.9300.3480.0054239.7014.520.366MT4.3281.0170.2350.0054510.851.6290.150NC138.159.520.4310.050183.6431.680.379NE11.825.6900.4810.011921.606.0540.280NH26.0412.010.4610.06447.6403.8010.498NJ689.9245.80.3560.151112.344.550.397NM3.0551.2960.4240.0078510.451.8180.174NV7.6812.2300.2900.06188.3862.0830.248NY1133372.20.3280.0700312.7121.50.389OH	0.0194			
LA126.430.730.2430.037434.797.2690.209MA582.0215.50.3700.12584.3235.810.425MD230.069.240.3010.10272.1332.550.451ME67.1119.460.2900.063918.746.2300.333MI965.9285.70.2960.152110.128.100.255MN108.736.730.3380.036663.6022.450.353MO9.1213.5870.3930.0024989.3324.230.271MS11.303.9300.3480.0054239.7014.520.366MT4.3281.0170.2350.0054510.851.6290.150NC138.159.520.4310.050183.6431.680.379NE11.825.6900.4810.011921.606.0540.280NH26.0412.010.4610.06447.6403.8010.498NJ689.9245.80.3560.151112.344.550.397NM3.0551.2960.4240.0078510.451.8180.174NV7.6812.2300.2900.06188.3862.0830.248NY1133372.20.3280.0700312.7121.50.389OH725.9234.10.3220.0897220.975.220.341OK<	0.0134			
MA582.0215.50.3700.12584.3235.810.425MD230.069.240.3010.10272.1332.550.451ME67.1119.460.2900.063918.746.2300.333MI965.9285.70.2960.152110.128.100.255MN108.736.730.3380.036663.6022.450.353MO9.1213.5870.3930.0024989.3324.230.271MS11.303.9300.3480.0054239.7014.520.366MT4.3281.0170.2350.0054510.851.6290.150NC138.159.520.4310.050183.6431.680.379NE11.825.6900.4810.011921.606.0540.280NH26.0412.010.4610.06447.6403.8010.498NJ689.9245.80.3560.151112.344.550.397NM3.0551.2960.4240.0078510.451.8180.174NV7.6812.2300.2900.6188.3862.0830.248NY1133372.20.3280.0700312.7121.50.389OH725.9234.10.3220.0897220.975.220.341OK86.7933.180.3820.041547.5410.300.217PA <t< td=""><td>0.00885</td></t<>	0.00885			
MD230.069.240.3010.10272.1332.550.451ME67.1119.460.2900.063918.746.2300.333MI965.9285.70.2960.152110.128.100.255MN108.736.730.3380.036663.6022.450.353MO9.1213.5870.3930.0024989.3324.230.271MS11.303.9300.3480.0054239.7014.520.366MT4.3281.0170.2350.0054510.851.6290.150NC138.159.520.4310.050183.6431.680.379NE11.825.6900.4810.011921.606.0540.280NH26.0412.010.4610.06447.6403.8010.498NJ689.9245.80.3560.151112.344.550.397NM3.0551.2960.4240.0078510.451.8180.174NV7.6812.2300.2900.6188.3862.0830.248NY1133372.20.3280.0700312.7121.50.389OH725.9234.10.3220.0897220.975.220.341OK86.7933.180.3820.041547.5410.300.217PA683.1165.30.2420.0448192.162.510.325	0.00885			
ME67.1119.460.2900.063918.746.2300.333MI965.9285.70.2960.152110.128.100.255MN108.736.730.3380.036663.6022.450.353MO9.1213.5870.3930.0024989.3324.230.271MS11.303.9300.3480.0054239.7014.520.366MT4.3281.0170.2350.0054510.851.6290.150NC138.159.520.4310.050183.6431.680.379NE11.825.6900.4810.011921.606.0540.280NH26.0412.010.4610.06447.6403.8010.498NJ689.9245.80.3560.151112.344.550.397NM3.0551.2960.4240.0078510.451.8180.174NV7.6812.2300.2900.06188.3862.0830.248NY1133372.20.3280.0700312.7121.50.389OH725.9234.10.3220.0897220.975.220.341OK86.7933.180.3820.041547.5410.300.217PA683.1165.30.2420.0448192.162.510.325	0.0207			
MI965.9285.70.2960.152110.128.100.255MN108.736.730.3380.036663.6022.450.353MO9.1213.5870.3930.0024989.3324.230.271MS11.303.9300.3480.0054239.7014.520.366MT4.3281.0170.2350.0054510.851.6290.150NC138.159.520.4310.050183.6431.680.379NE11.825.6900.4810.011921.606.0540.280NH26.0412.010.4610.06447.6403.8010.498NJ689.9245.80.3560.151112.344.550.397NM3.0551.2960.4240.0078510.451.8180.174NV7.6812.2300.2900.06188.3862.0830.248NY1133372.20.3280.0700312.7121.50.389OH725.9234.10.3220.0897220.975.220.341OK86.7933.180.3820.041547.5410.300.217PA683.1165.30.2420.0448192.162.510.325	0.0479			
MN108.736.730.3380.036663.6022.450.353MO9.1213.5870.3930.0024989.3324.230.271MS11.303.9300.3480.0054239.7014.520.366MT4.3281.0170.2350.0054510.851.6290.150NC138.159.520.4310.050183.6431.680.379NE11.825.6900.4810.011921.606.0540.280NH26.0412.010.4610.06447.6403.8010.498NJ689.9245.80.3560.151112.344.550.397NM3.0551.2960.4240.0078510.451.8180.174NV7.6812.2300.2900.06188.3862.0830.248NY1133372.20.3280.0700312.7121.50.389OH725.9234.10.3220.0897220.975.220.341OK86.7933.180.3820.041547.5410.300.217PA683.1165.30.2420.0448192.162.510.325	0.0204 0.0150			
MO9.1213.5870.3930.0024989.3324.230.271MS11.303.9300.3480.0054239.7014.520.366MT4.3281.0170.2350.0054510.851.6290.150NC138.159.520.4310.050183.6431.680.379NE11.825.6900.4810.011921.606.0540.280NH26.0412.010.4610.06447.6403.8010.498NJ689.9245.80.3560.151112.344.550.397NM3.0551.2960.4240.0078510.451.8180.174NV7.6812.2300.2900.06188.3862.0830.248NY1133372.20.3280.0700312.7121.50.389OH725.9234.10.3220.0897220.975.220.341OK86.7933.180.3820.041547.5410.300.217PA683.1165.30.2420.0448192.162.510.325				
MS11.303.9300.3480.0054239.7014.520.366MT4.3281.0170.2350.0054510.851.6290.150NC138.159.520.4310.050183.6431.680.379NE11.825.6900.4810.011921.606.0540.280NH26.0412.010.4610.06447.6403.8010.498NJ689.9245.80.3560.151112.344.550.397NM3.0551.2960.4240.0078510.451.8180.174NV7.6812.2300.2900.06188.3862.0830.248NY1133372.20.3280.0700312.7121.50.389OH725.9234.10.3220.0897220.975.220.341OK86.7933.180.3820.041547.5410.300.217PA683.1165.30.2420.0448192.162.510.325	0.0224			
MT4.3281.0170.2350.0054510.851.6290.150NC138.159.520.4310.050183.6431.680.379NE11.825.6900.4810.011921.606.0540.280NH26.0412.010.4610.06447.6403.8010.498NJ689.9245.80.3560.151112.344.550.397NM3.0551.2960.4240.0078510.451.8180.174NV7.6812.2300.2900.06188.3862.0830.248NY1133372.20.3280.0700312.7121.50.389OH725.9234.10.3220.0897220.975.220.341OK86.7933.180.3820.041547.5410.300.217PA683.1165.30.2420.0448192.162.510.325	0.0168			
NC138.159.520.4310.050183.6431.680.379NE11.825.6900.4810.011921.606.0540.280NH26.0412.010.4610.06447.6403.8010.498NJ689.9245.80.3560.151112.344.550.397NM3.0551.2960.4240.0078510.451.8180.174NV7.6812.2300.2900.06188.3862.0830.248NY1133372.20.3280.0700312.7121.50.389OH725.9234.10.3220.0897220.975.220.341OK86.7933.180.3820.041547.5410.300.217PA683.1165.30.2420.0448192.162.510.325	0.0200			
NE11.825.6900.4810.011921.606.0540.280NH26.0412.010.4610.06447.6403.8010.498NJ689.9245.80.3560.151112.344.550.397NM3.0551.2960.4240.0078510.451.8180.174NV7.6812.2300.2900.06188.3862.0830.248NY1133372.20.3280.0700312.7121.50.389OH725.9234.10.3220.0897220.975.220.341OK86.7933.180.3820.041547.5410.300.217PA683.1165.30.2420.0448192.162.510.325	0.00873			
NH26.0412.010.4610.06447.6403.8010.498NJ689.9245.80.3560.151112.344.550.397NM3.0551.2960.4240.0078510.451.8180.174NV7.6812.2300.2900.06188.3862.0830.248NY1133372.20.3280.0700312.7121.50.389OH725.9234.10.3220.0897220.975.220.341OK86.7933.180.3820.041547.5410.300.217PA683.1165.30.2420.0448192.162.510.325	0.0267			
NJ689.9245.80.3560.151112.344.550.397NM3.0551.2960.4240.0078510.451.8180.174NV7.6812.2300.2900.06188.3862.0830.248NY1133372.20.3280.0700312.7121.50.389OH725.9234.10.3220.0897220.975.220.341OK86.7933.180.3820.041547.5410.300.217PA683.1165.30.2420.0448192.162.510.325	0.0127			
NM3.0551.2960.4240.0078510.451.8180.174NV7.6812.2300.2900.06188.3862.0830.248NY1133372.20.3280.0700312.7121.50.389OH725.9234.10.3220.0897220.975.220.341OK86.7933.180.3820.041547.5410.300.217PA683.1165.30.2420.0448192.162.510.325	0.0204			
NV7.6812.2300.2900.06188.3862.0830.248NY1133372.20.3280.0700312.7121.50.389OH725.9234.10.3220.0897220.975.220.341OK86.7933.180.3820.041547.5410.300.217PA683.1165.30.2420.0448192.162.510.325	0.0273			
NY1133372.20.3280.0700312.7121.50.389OH725.9234.10.3220.0897220.975.220.341OK86.7933.180.3820.041547.5410.300.217PA683.1165.30.2420.0448192.162.510.325	0.0110			
OH725.9234.10.3220.0897220.975.220.341OK86.7933.180.3820.041547.5410.300.217PA683.1165.30.2420.0448192.162.510.325	0.0577			
OK86.7933.180.3820.041547.5410.300.217PA683.1165.30.2420.0448192.162.510.325	0.0229			
PA 683.1 165.3 0.242 0.0448 192.1 62.51 0.325	0.0288			
	0.0129			
RI 14.54 $4.005$ $0.276$ $0.0142$ $22.32$ $12.12$ $0.543$	0.0170			
	0.0430			
SC 96.27 34.12 0.354 0.0549 52.85 18.95 0.359	0.0305			
SD 5.304 2.158 0.407 0.00992 5.253 2.058 0.392	0.00946			
TN         127.1         43.57         0.343         0.0428         82.68         22.30         0.270	0.0219			
TX 342.8 89.07 0.260 0.0396 199.0 41.88 0.210	0.0186			
UT 44.27 16.60 0.375 0.0909 24.11 8.666 0.359	0.0475			
VA 164.0 49.05 0.299 0.0530 86.28 31.62 0.367	0.0342			
WA         194.3         57.81         0.298         0.0904         100.2         27.52         0.275	0.0430			
WI         322.2         98.17         0.305         0.0869         68.05         24.56         0.361	0.0217			
WV         60.28         7.038         0.117         0.0113         42.35         8.506         0.201	0.0137			
WY 3.437 1.646 0.479 0.0203 6.178 1.151 0.186	0.0142			
DC	0.0578			
ND 4.846 1.281 0.264	0			
OR	0.0400			
VT	0.0128			

Table 2: Summary of WMC and USES Data by State (2)

*Notes:* Table displays raw state-level measures of total employment / placements, female employment / placements, female shares, and female employment / placements normalized by each state's 1940 female population 16+ years old. The left-hand side of the table uses WMC data for July 1944 with geographies that lie in multiple states are dropped entirely. The right-hand side uses USES placement data for the third quarter of 1944, which was a peak in female wartime employment.

IndustryShare femaleTotal placementsFeTotal-0.00401-0.428Aircraft and parts-0.132-0.940Apparel and related products0.0571-0.285Automobiles and automobile equipment-0.0822-0.482Chemicals-0.102-0.656	emale placements 883300 55712 48051 6080 25853 6942 54804 1050
Aircraft and parts-0.132-0.940Apparel and related products0.0571-0.285Automobiles and automobile equipment-0.0822-0.482	$55712 \\ 48051 \\ 6080 \\ 25853 \\ 6942 \\ 54804$
Apparel and related products0.0571-0.285Automobiles and automobile equipment-0.0822-0.482	$48051 \\ 6080 \\ 25853 \\ 6942 \\ 54804$
Automobiles and automobile equipment -0.0822 -0.482	$\begin{array}{c} 6080 \\ 25853 \\ 6942 \\ 54804 \end{array}$
	$25853 \\ 6942 \\ 54804$
Chemicals -0.102 -0.656	$6942 \\ 54804$
- · · · · · · · · · · · · · · · · · · ·	54804
Contract construction -0.0226 -0.356	
Electrical machinery -0.101 -0.680	1050
Establishments, n.e.c0.0951 -0.774	1979
Finance, insurance and real estate 0.00908 -0.178	9033
Food and kindred products -0.0592 0.754	49685
Forestry and fishing -0.0286 1.018	99
Furniture and finished lumber products -0.0372 -0.472	11138
Interstate railroads -0.0216 -0.607	4581
Iron and steel and their products -0.0689 -0.569	33066
Leather and leather products 0.0797 -0.240	11589
Lumber and timber basic products -0.0399 -0.517	3951
Metal working machinery -0.0335 -0.724	7355
Mining -0.00567 -0.576	1219
Miscellaneous manufacturing -0.0237 -0.325	18169
Nonferrous metals and their produts -0.00944 -0.643	11250
Ordnance and accessories -0.190 -0.947	69583
Other machinery -0.0860 -0.564	21633
Other public utilities -0.0385 -0.565	24317
Other transportation equipment -0.0918 -0.369	463
Paper and allied products -0.0555 -0.403	12909
Printing, publishing and allied industries 0.0423 -0.179	5244
Private households -0.0277 0.444	73496
Products of petroleum and coal -0.0274 -0.682	2536
Railroad equipment -0.0801 -0.644	1275
Regular government establishments -0.0527 -0.550	62936
Rubber products -0.172 -0.561	12640
Service industries except private households 0.0186 -0.189	63849
Ship and boat building and repairing -0.0502 -0.832	17086
Special government projects -0.0213 -0.765	755
Stone, clay and glass products -0.0921 -0.346	10288
Textile-mill products -0.0131 -0.598	46468
Tobacco manufactures -0.0122 -0.764	6813
Wholesale and retail trade 0.00280 -0.136	90453

### Table 3: Detailed Industry Placement Declines

*Notes:* Table displays the data underlying Figure 6 Panel C. See the notes to that table for additional details.