

## CenSoc Enlistment-Numident V2 Codebook\*

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7	dyear_numident	Year of birth
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**Summary:** The CenSoc Enlistment-Numident file links 1,692,279 men from World War II era (circa 1938-1947) army enlistment records to mortality records in the Berkeley Unified Numident Mortality Database (BUNMD). The suffix on each variable indicates if the variable comes from Numident (BUNMD) records or army enlistment records. For enlistment records that have been independently linked to the 1940 census, we include the HISTID identifier variable that researchers may use to merge this data set with IPUMS 1940 census data. Matches between datasets were established using the conservative variant of the ABE method developed by Abramitzky, Boustan, and Eriksson (2012, 2014, 2017).

\*Last updated: 03 July, 2023

# id

**Label:** CenSoc Numident-Enlistment Unique Identifier

**Description:** id is an 11-digit string that uniquely identifies each records in the dataset.

**Label:** Sex

**Description:** sex reports a person's sex

sex	label	n	freq %
1	Men	1692279	100

# bpl

**Label:** Place of Birth

**Description:** bpl is a numeric variable that reports a person's place of birth, as reported in the World War II Army Enlistment Records and Numident death records

For a complete list of codes, please see: [https://usa.ipums.org/usa-action/variables/BPL#codes\\_section](https://usa.ipums.org/usa-action/variables/BPL#codes_section)

# byear\_\_numident

**Label:** Year of Birth (Numident)

**Description:** byear is a numeric variable reporting a person's year of birth, as recorded in Numident records

**note:** The matching algorithm used allows for up to two years of flexibility on birth year, so birth year in the Numident may disagree with birth year in enlistment records. Birth years are discordant by one year in 7.2% of records, and discordant by two years in 4.1% of records. Both birth year variables are published in this data set.



# bmonth\_\_numident

**Label:** Birth Month

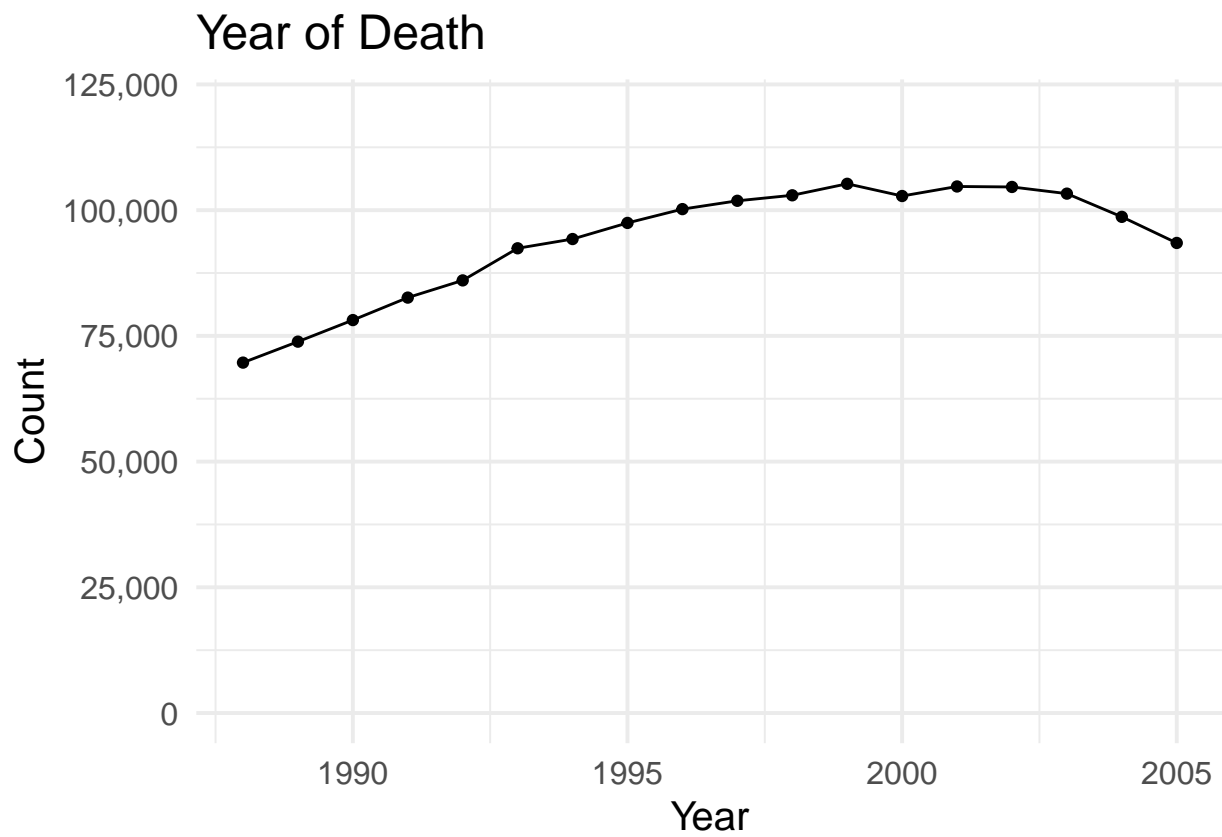
**Description:** bmonth\_\_ reports a person's month of birth, as recorded in the Numident.

bmonth__numident	label	n	freq	%
1	January	143035	8.5	
2	February	134602	8.0	
3	March	147238	8.7	
4	April	137407	8.1	
5	May	139691	8.3	
6	June	135317	8.0	
7	July	142848	8.4	
8	August	148529	8.8	
9	September	146588	8.7	
10	October	144203	8.5	
11	November	134368	7.9	
12	December	138453	8.2	

# dyear\_numident

**Label:** Death Year

**Description:** dyear reports a person's year of death, as recorded in the Numident.



# dmonth\_numident

**Label:** Death Month

**Description:** dmonth\_numident reports a person's month of death, as recorded in the Numident death records.

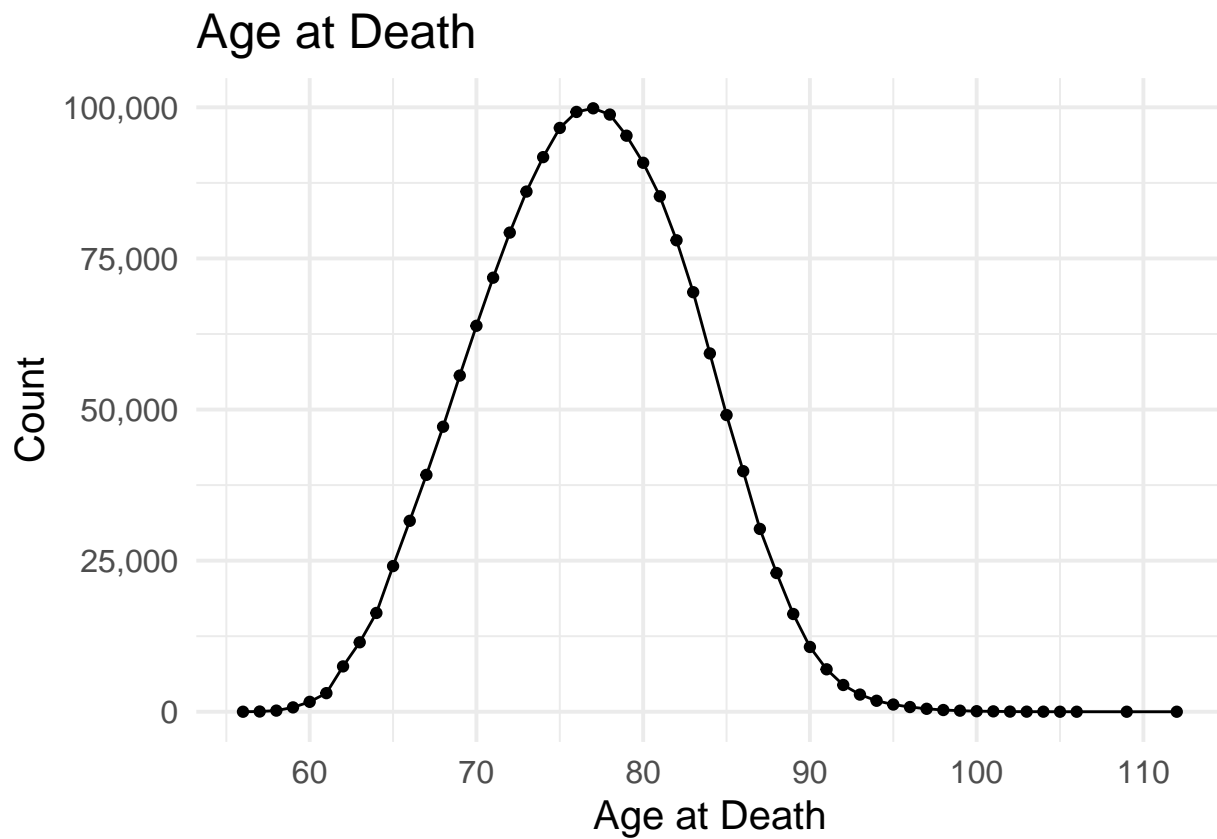
dmonth_numident	label	n	freq %
1	January	160178	9.5
2	February	141933	8.4
3	March	152020	9.0
4	April	139903	8.3
5	May	138976	8.2
6	June	131092	7.7
7	July	132675	7.8
8	August	131790	7.8
9	September	129298	7.6
10	October	140025	8.3
11	November	139584	8.2
12	December	154805	9.1



# death\_age\_numident

**Label:** Age at Death (Years)

**Description:** death\_age\_numident reports a person's age at death in years, calculated using the birth and death information recorded in the Numident death records.

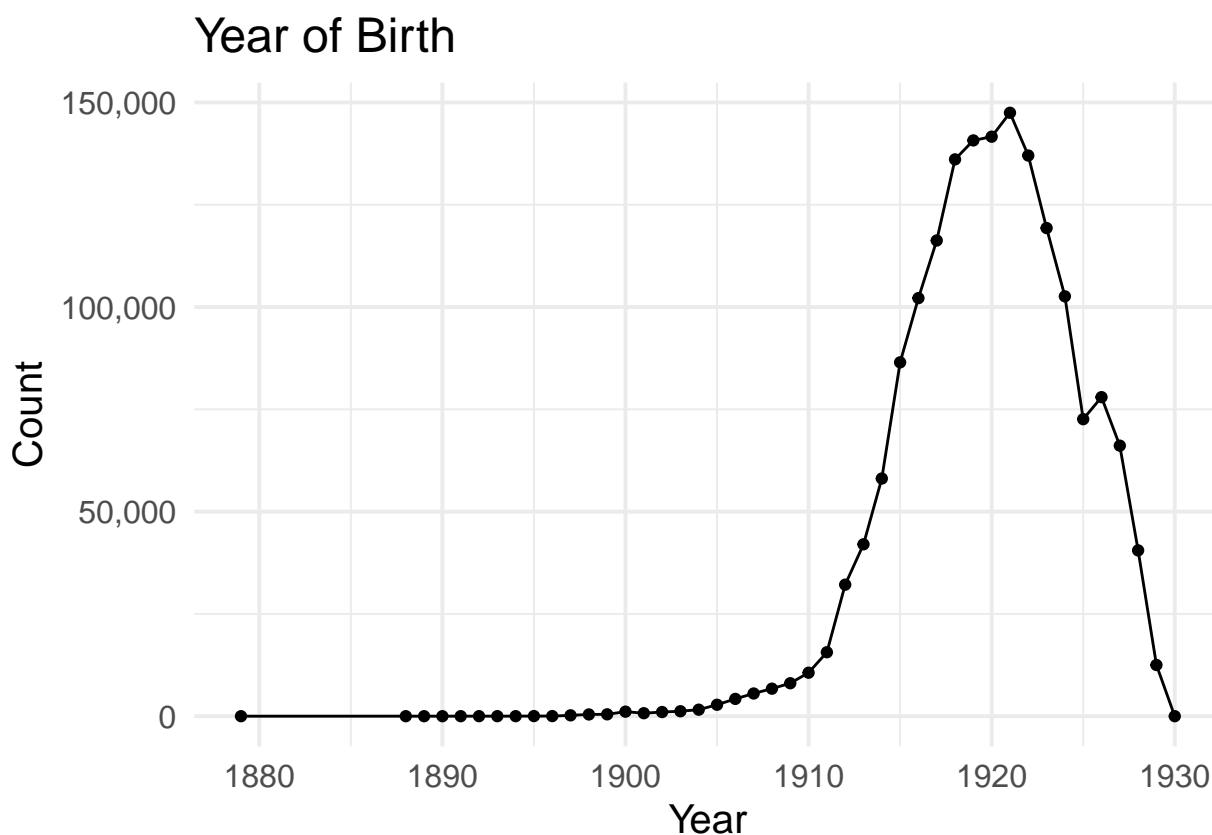


# byear\_\_enlistment

**Label:** Year of Birth (Enlistment)

**Description:** byear is a numeric variable reporting a person's year of birth, as recorded in the World War II Army Enlistment Records.

**note:** The matching algorithm used allows for up to two years of flexibility on birth year, so birth year in the BUNMD may disagree with birth year in enlistment records. Birth years are discordant by one year in 7.2% of records, and discordant by two years in 4.1% of records. Both birth year variables are published in this data set.



# race\_\_first\_\_numident

**Label:** race first

**Description:** race\_\_first\_\_numident reports a person's race, as recorded on their first application entry.

**Note:** Before 1980, the race schema in the Social Security application form contained three categories: White, Black, and Other. In 1980, the SSA added three categories: (1) Asian, Asian American, or Pacific Islander, (2) Hispanic, and (3) North American Indian or Alaskan Native. The Other category was also removed.

race__first__numident	label	n	freq %
1	White	1519903	89.8000
2	Black	118138	6.9800
3	Other	15072	0.8910
4	Asian	2305	0.1360
5	Hispanic	1750	0.1030
6	North American Native	395	0.0233
NA	Missing	34716	2.0500

# race\_\_first\_\_cyear\_\_numident

**Label:** First Race: Application Year

**Description:** race\_\_first\_\_cyear\_\_numident is a numeric variable reporting the year of the application on which a person reported their first race.

# race\_\_first\_\_cmonth\_\_numident

**Label:** First Race: Application Month

**Description:** race\_\_first\_\_cmonth\_\_numident is a numeric variable reporting the month of the application on which a person reported their first race.

# race\_\_last\_\_numident

**Label:** race last

**Description:** race\_\_last\_\_numident reports a person's race, as recorded on their most recent application entry.

**Note:** Before 1980, the race schema in the Social Security application form contained three categories: White, Black, and Other. In 1980, the SSA added three categories: (1) Asian, Asian American, or Pacific Islander, (2) Hispanic, and (3) North American Indian or Alaskan Native. They also removed the Other category.

race__last__numident	label	n	freq %
1	White	1514876	89.500
2	Black	117950	6.970
3	Other	12002	0.709
4	Asian	4436	0.262
5	Hispanic	6602	0.390
6	North American Native	1697	0.100
NA	Missing	34716	2.050

# race\_\_last\_\_cyear\_\_numident

**Label:** First Race: Application Year

**Description:** race\_\_last\_\_cyear\_\_numident reports the year of the application on which a person reported their last race.

# race\_\_last\_\_cmonth\_\_numident

**Label:** Last Race: Application Month

**Description:** race\_\_last\_\_cmonth\_\_numident is a numeric variable reporting the month of the application on which a person reported their last race.



# zip\_residence\_numident

**Label:** ZIP Code of Residence at Time of Death

**Description:** zip\_residence\_numident is a string variable (9-characters) reporting a person's ZIP Code of residence at time of death, as recorded in the Numident death records.

# socstate\_\_numident

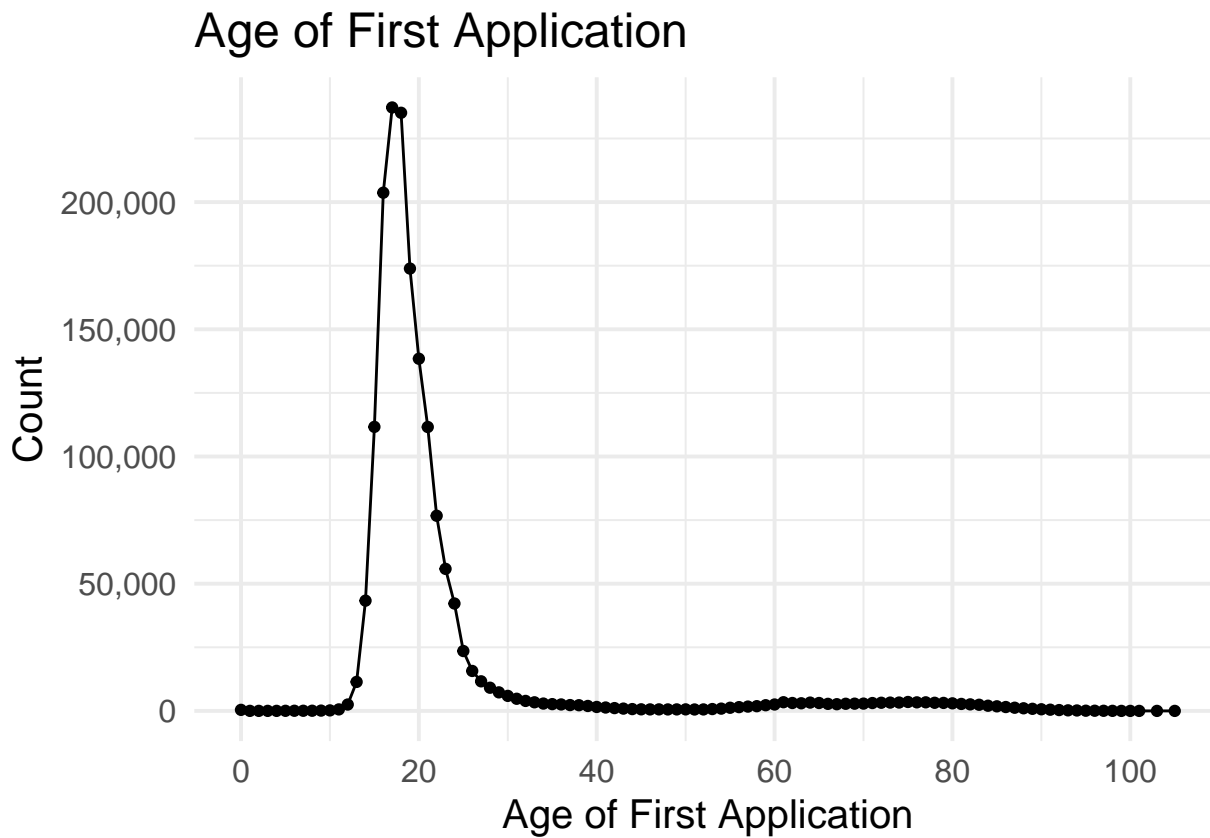
**Label:** State where Social Security Number Issued

**Description:** The state in which a person's social security card was issued. Determined by first three (3) digits of Social Security number, as recorded in Numident death records. The coding schema matches the detailed IPUMS-USA Birthplace coding schema.

## age\_first\_app\_numident

**Label:** Age at First Social Security Application

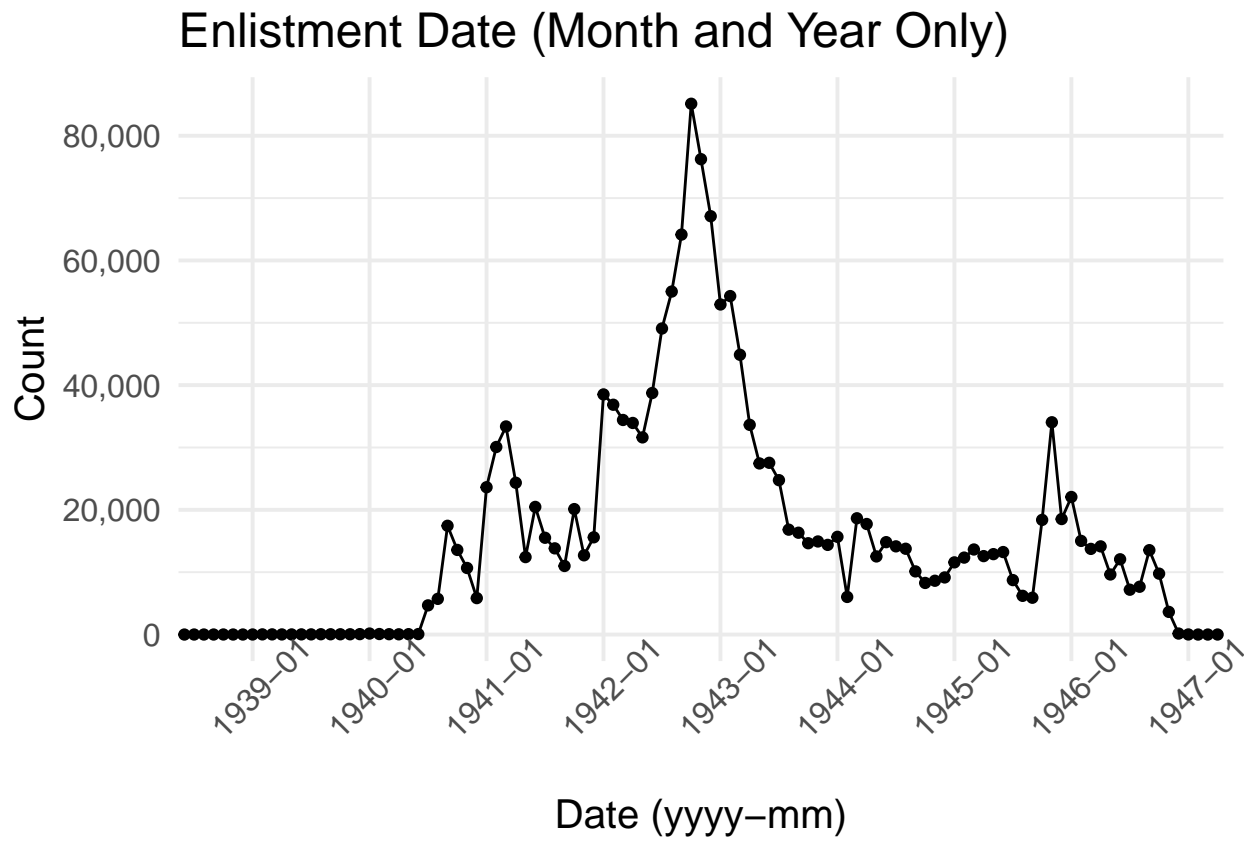
**Description:** age\_first\_application\_numident reports the age at which a person submitted their first Social Security Application.



## date\_of\_enlistment\_enlistment

**Label:** Date of Enlistment

**Description:** date\_of\_enlistment is a date variable that reports a person's date of enlistment in dd-mm-yyyy format, as reported in the World War II Army Enlistment Records.



# residence\_\_state\_\_enlistment

**Label:** State of residence

**Description:** residence\_\_state\_\_enlistment is a character variable that reports a person's state of residence at time of enlistment, as reported in the World War II Army Enlistment Records. This variable is only available for enlistees residing in the US.

For a complete list of codes, please see: [https://aad.archives.gov/aad/popup-codelist.jsp?cl\\_id=2046&dt=893&c\\_id=24996](https://aad.archives.gov/aad/popup-codelist.jsp?cl_id=2046&dt=893&c_id=24996)

# residence\_\_county\_\_enlistment

**Label:** County of residence

**Description:** residence\_\_county\_\_enlistment is a character variable that reports a person's county of residence at time of enlistment, as reported in the World War II Army Enlistment Records. This variable is only available for enlistees residing in the US.

For a complete list of codes, please see: [https://aad.archives.gov/aad/popup-codelist.jsp?cl\\_id=2057&dt=893&c\\_id=24998](https://aad.archives.gov/aad/popup-codelist.jsp?cl_id=2057&dt=893&c_id=24998)

# place\_\_of\_\_enlistment\_\_enlistment

**Label:** Place of enlistment

**Description:** place\_of\_enlistment\_enlistment is a character variable that reports where a person was enlisted, as reported in the World War II Army Enlistment Records.

For a complete list of codes, please see: [https://aad.archives.gov/aad/popup-codelist.jsp?cl\\_id=4123&dt=893&c\\_id=24997](https://aad.archives.gov/aad/popup-codelist.jsp?cl_id=4123&dt=893&c_id=24997)

# education\_\_enlistment

**Label:** Education

**Description:** education\_\_enlistment. is a numeric variable that reports an individual's educational attainment at time of enlistment, as reported in the World War II Army Enlistment Records. Codes also available at: [https://usa.ipums.org/usa-action/variables/EDUC#codes\\_section](https://usa.ipums.org/usa-action/variables/EDUC#codes_section)

**Note:** Exact number of years of schooling is unknown for enlistees who did not complete at least one year of high school. Such enlistees were given originally given a code meaning “grammar school”, though it is unknown if this corresponds to the modern equivalent of a 5th, 6th, or 8th grade education. Many enlistees with this code likely had little to no actual education. Before the attack on Pearl Harbor, literacy was required of army inductees, but this requirement relaxed as the war effort increased (Brandt, 2004). By 1942, the Army accepted illiterate men if they were deemed trainable, though academic standards for admission increased again in 1944 and 1945.

education__enlistment	label	n	freq %
1	Nursery school to grade 4	437626	25.900
3	Grade 9	144744	8.550
4	Grade 10	181809	10.700
5	Grade 11	166523	9.840
6	Grade 12	507866	30.000
7	1 year of college	102978	6.090
8	2 years of college	58056	3.430
9	3 years of college	29552	1.750
10	4 years of college	56274	3.330
11	5+ years of college	6851	0.405



# grade\_\_code\_\_enlistment

**Label:** Army grade

**Description:** grade\_code\_enlistment is a numeric variable that records a person's grade (rank), as reported in the World War II Army Enlistment Records. Code list also is available at: [https://aad.archives.gov/aad/popup-codelist.jsp?cl\\_id=2072&dt=893&c\\_id=24999](https://aad.archives.gov/aad/popup-codelist.jsp?cl_id=2072&dt=893&c_id=24999)

grade_code_enlistment	label	n	freq %
1	Master Sergeant	4340	0.2560
2	First Sergeant	1538	0.0909
3	Technical Sergeant	4475	0.2640
4	Staff Sergeant	8795	0.5200
5	Sergeant	12186	0.7200
6	Corporal	16598	0.9810
7	Private First Class	50189	2.9700
8	Private	1571868	92.9000
9	Aviation Cadet	8525	0.5040
NA	NA	13765	0.8130

# branch\_\_code\_\_enlistment

**Label:** Army branch

**Description:** branch\_\_code\_\_enlistment is a numeric variable that records the army branch in which the enlistee served, as reported in the World War II Army Enlistment Records.

branch_code_enlistment	label	n	freq %
0	Branch Immaterial - Warrant Officers, USA	752288	44.500000
1	General Staff Corps	50	0.002950
2	No branch assignment	539070	31.900000
3	Philippine Scouts	4945	0.292000
4	Professor US Military Academy	183	0.010800
5	Military Intelligence	310	0.018300
6	Corps of Military Police	3453	0.204000
7	Specialist Reserve	8	0.000473
8	Detached Enlisted Men's List	2037	0.120000
9	Inactive Reserve	602	0.035600
10	Infantry	41949	2.480000
20	Air Corps	205413	12.100000
30	Field Artillery	21234	1.250000
38	Transportation Corps	4032	0.238000
40	Coast Artillery Corps or Army Mine Planter Service	15413	0.911000
50	Quartermaster Corps	14762	0.872000
70	Medical Department - For Enlisted Men of the Medical Department (includes Enlisted Men of the Medical Department on Duty with the Dental Corps) or Army Nurse Corps	10590	0.626000
71	Medical Corps - For Officers only	9	0.000532
72	Hospital Dietitians	197	0.011600
73	Physical Therapy Aides	19	0.001120
74	Dental Corps - For Officers only	33	0.001950
75	Veterinary Corps or Service - For Officers of the Veterinary Corps and for Enlisted Men of the Veterinary Service	37	0.002190
77	Medical Administrative Corps - For Officers only	2	0.000118
78	Adjutant General's Department	205	0.012100
79	Pharmacy Corps	21	0.001240
80	Chemical Warfare Service	579	0.034200
82	Corps of Engineers	8847	0.523000
87	Ordnance Department	10527	0.622000
90	Signal Corps	19329	1.140000
93	Cavalry	5646	0.334000
96	Chaplains	35	0.002070
97	Finance Department	495	0.029300
98	Inspector General's Department	38	0.002250
99	Judge Advocate General's Department	1476	0.087200
NA	NA	28445	1.680000

# term\_of\_enlistment\_enlistment

**Label:** Term of enlistment

**Description:** term\_of\_enlistment\_enlistment is a numeric variable that reports the length of a person's enlistment or their department of enlistment, as reported in the World War II Army Enlistment Records. Codes also available at: [https://aad.archives.gov/aad/popup-codelist.jsp?cl\\_id=2076&dt=893&c\\_id=24979](https://aad.archives.gov/aad/popup-codelist.jsp?cl_id=2076&dt=893&c_id=24979)

term_of_enlistment_enlistment		freq	
		n	%
1	One year enlistment	42182	2.4900
2	Enlistment for Alaska	4481	0.2650
3	Enlistment for Hawaiian Department	90019	5.3200
4	Enlistment for assignment to another corps area	3471	0.2050
5	Enlistment for the duration of the War or other emergency, plus six months, subject to the discretion of the President or otherwise according to law	115950	68.5000
6	Enlistment for the Panama Canal Department	64873	3.8300
7	Enlistment for the Philippine Department	17595	1.0400
8	Enlistment for the Puerto Rican Department	1248	0.0737
9	Three year enlistment	15272	0.9020
NA	NA	293633	17.4000

# race\_\_enlistment

**Label:** Race

**Description:** race is a numeric variable that reports an individual's race, as reported in the World War II Army Enlistment Records.

Codes also available at: [https://usa.ipums.org/usa-action/variables/RACE#codes\\_section](https://usa.ipums.org/usa-action/variables/RACE#codes_section)

race__enlistment	label	n	freq %
100	White	1540362	91.0000
150	Puerto Rican	2003	0.1180
200	Black	119655	7.0700
300	Native American	2905	0.1720
400	Chinese	1747	0.1030
500	Japanese	5408	0.3200
600	Filipino	2973	0.1760
630	Native Hawaiian	670	0.0396
991	Other	6041	0.3570
NA	NA	10515	0.6210

# citizenship\_\_enlistment

**Label:** Citizenship

**Description:** citizenship\_\_enlistment is a numeric variable that reports an individual's citizenship, as reported in the World War II Army Enlistment Records.

citizenship__enlistment		label	n	freq %
0	Non-Citizen	12132	0.717	
1	Citizen	1669632	98.700	
NA	NA	10515	0.621	

# civilian\_\_occupation\_\_enlistment

**Label:** civilian occupation

**Description:** civilian\_\_occupation\_\_enlistment is a numeric variable that reports a person's occupation at time of enlistment, as reported in the World War II Army Enlistment Records.

For complete codes, please see: [https://aad.archives.gov/aad/popup-codelist.jsp?cl\\_id=3323&dt=893&c\\_id=24986](https://aad.archives.gov/aad/popup-codelist.jsp?cl_id=3323&dt=893&c_id=24986)

# marital\_\_status\_\_enlistment

**Label:** marital status

**Description:** marital\_status\_enlistment is a numeric variable that reports a person's marital status at time of enlistment, as reported in the World War II Army Enlistment Records.

Codes also available at: [https://usa.ipums.org/usa-action/variables/MARST#codes\\_section](https://usa.ipums.org/usa-action/variables/MARST#codes_section)

marital_status_enlistment	label	n	freq	%
1	Married	357552	21.100	
3	Separated	14495	0.857	
4	Divorced	16705	0.987	
5	Widowed	3015	0.178	
6	Single	1297789	76.700	
NA	NA	2723	0.161	

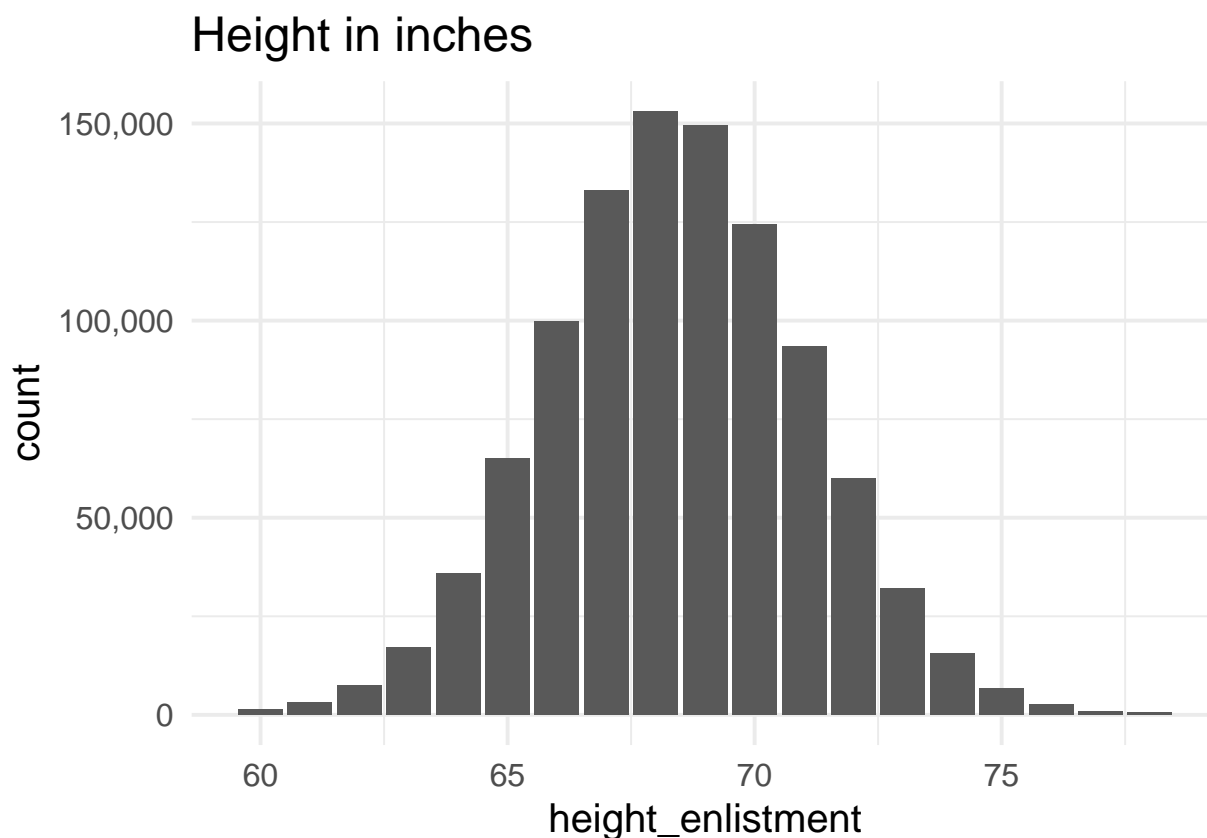


# height\_\_enlistment

**Label:** Height

**Description:** height\_\_enlistment is a numeric variable that reports a person's height in inches at time of enlistment, as reported in the World War II Army Enlistment Records. Height was filtered based on the range of permissible heights for enlistment in the military, 60 - 78 inches ([Foster et al, 1967](#)).

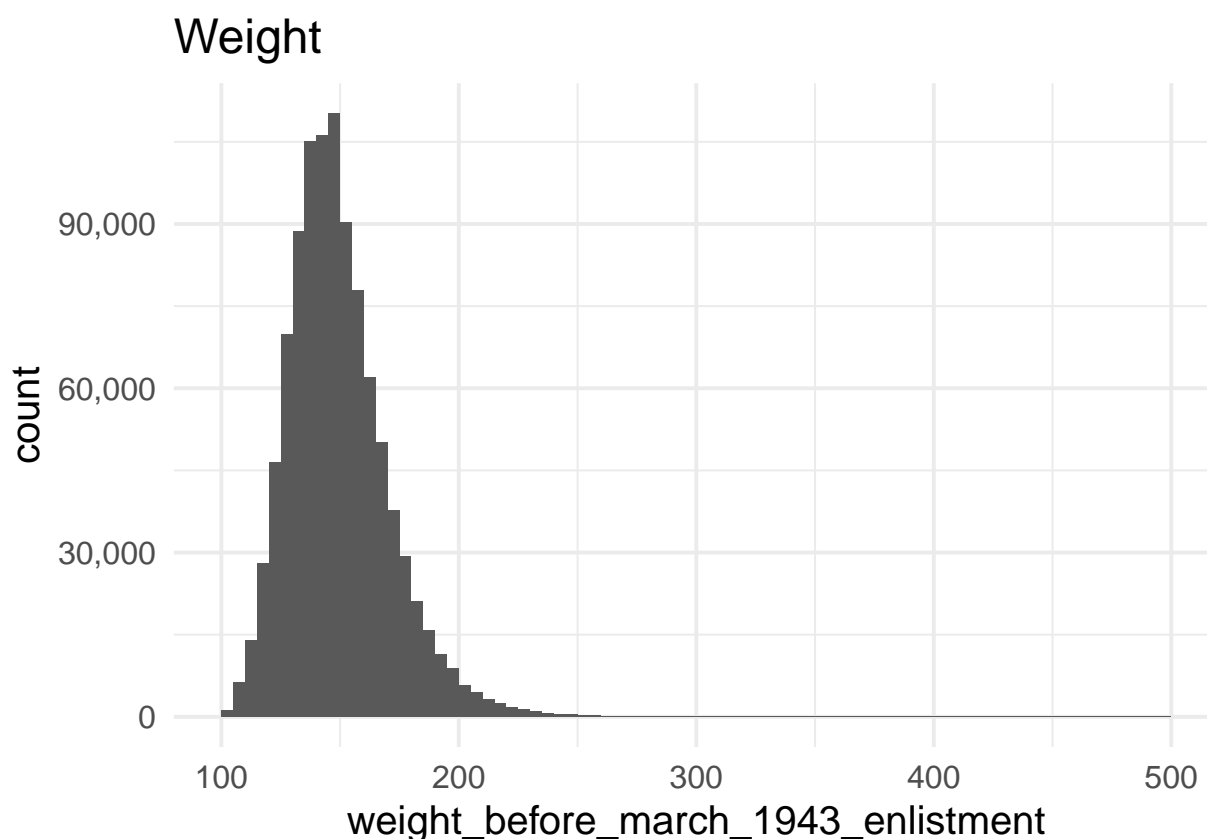
**Note:** Please be aware that instructions on how to use this field on enlistment punch cards varied over time. This field may encode military occupation or other information depending on time and site of enlistment. We have removed height data for men who enlisted in March of 1943 or later, as the distribution of this variable changes significantly at that point. However, it is possible that other data remains in this field. See the [National Archives' technical documentation on the Amy Serial Number Electronic File](#) for further information.



# weight\_before\_march\_1943\_enlistment

**Description:** weight\_before\_march\_1943\_enlistment is a numeric variable that reports a person's weight in pounds at time of enlistment as reported in the World War II Army Enlistment Records. This variable is only available for enlistees who enlisted before the March of 1943. Weight is filtered to a minimum of 105 pounds, the minimum permissible weight for a 60-inch-tall enlistee ([Foster et al, 1967](#)). While there was no clear maximum body weight for army enlistees, we have removed values of over 500.

**Note:** On enlistment punchcards, the field used to record weight was also used for Army General Classification Test (AGCT) scores, and may also encode military occupation or other information. Weight may have been recorded through 1943 at some enlistment sites, but the recording of AGCT score instead of weight at many enlistment sites likely began in March 1943. Because of this ambiguity, we only make this variable available for enlistees who enlisted before 1943. Refer to the [National Archives' technical documentation on the Amy Serial Number Electronic File](#) for further information. For enlistees who enlisted starting in March 1943, we have created an additional variable called **weight\_or\_AGCT**.



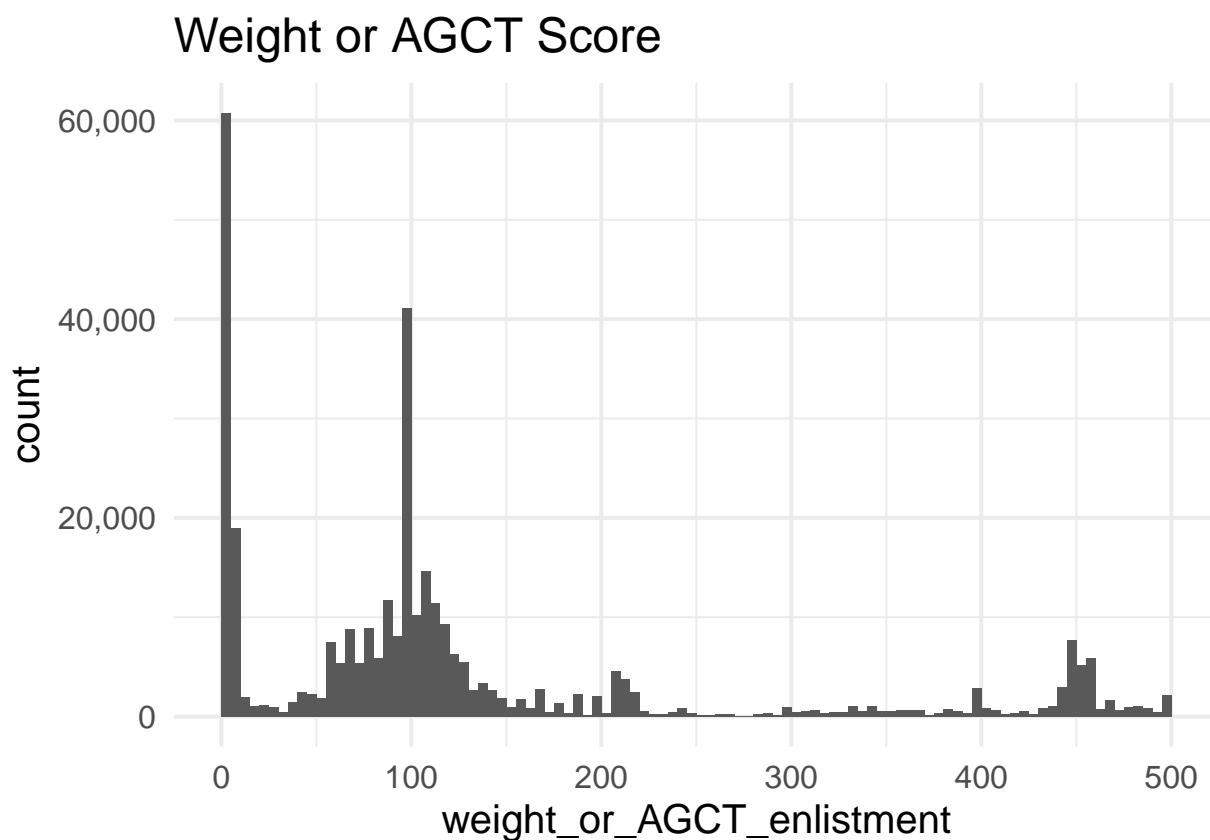
# weight\_or\_AGCT\_enlistment

**Label:** Weight (pounds) at enlistment or AGCT score

**Description:** weight\_or\_AGCT\_enlistment is a numeric variable that reports a person's weight in pounds at time of enlistment or their Army General Classification Test (AGCT) score, as reported in the World War II Army Enlistment Records. This variable is only available for enlistees who enlisted in January 1943 or later. We have removed zeros and values above 500, which presumably exceed the maximum realistic body weights and AGCT scores, but otherwise leave the data in this field unfiltered and unsorted.

**Note:** On enlistment punchcards, the field used to record weight was also used for Army General Classification Test (AGCT) scores, and may also encode military occupation or other information. Weight may have been recorded through 1943 at some enlistment sites, but the recording of AGCT score instead of weight at many enlistment sites likely began in March 1943. Because of this ambiguity, we created this variable for persons enlisted in March 1943 or later, which may contain weight or AGCT or other information.

Refer to the [National Archives' technical documentation on the Army Serial Number Electronic File](#) for further information. For enlistees prior to January 1943, we used the information recorded in this field to create the **weight\_before\_march\_1943** variable.



# component\_\_enlistment

**Label:** Army Component

**Description:** component\_\_enlistment is a numeric variable that records the component of the army in which an individual served, as recorded in the World War II Army Enlistment Records.

Codes also available at: [https://aad.archives.gov/aad/popup-codelist.jsp?cl\\_id=2078&dt=929&c\\_id=25014](https://aad.archives.gov/aad/popup-codelist.jsp?cl_id=2078&dt=929&c_id=25014)

component__enlistment	label	n	freq %
1	Regular Army	246185	14.50000
2	Regular Army Reserve	60	0.00355
3	Reserves	105437	6.23000
4	National Guard	49068	2.90000
5	Philippine Scouts	810	0.04790
6	Army of the United States	140730	8.32000
7	Selectees	1146992	67.80000
9	Women's Army Corps	121	0.00715
NA	NA	2876	0.17000

# source\_\_enlistment

**Label:** Source of army personnel

**Description:** source is a numeric variable that reports the source of the enlisted person, as reported in the World War II Army Enlistment Records. This denotes if an enlistee was a civilian prior to enlistment, or if they were already enlisted in the National Guard or another faction of the military. Codes also available at: [https://aad.archives.gov/aad/popup-codelist.jsp?cl\\_id=2077&dt=893&c\\_id=24981](https://aad.archives.gov/aad/popup-codelist.jsp?cl_id=2077&dt=893&c_id=24981)

source__enlistment	label	n	freq %
0	Civil Life	1399921	82.700000
1	Enlisted Man, Regular Army, within 3 months of Discharge or former WAAC Auxiliary	3555	0.210000
2	National Guard in Federal Service, within 3 months of Discharge	75401	4.460000
3	Enlisted Man, Regular Army, after 3 months of Discharge	7230	0.427000
4	National Guard in Federal Service, after 3 months of Discharge	5768	0.341000
5	Enlisted Reserve or Medical Administrative Corps (MAC) Officer	34065	2.010000
6	Enlisted Man, Philippine Scout or recall to AD of an enlisted man who had been transferred to the ERC	77575	4.580000
7	National Guard	50838	3.000000
8	Returned to Military Control, Surrendered	1164	0.068800
9	Returned to Military Control Apprehended	8	0.000473
11	Selective Service within 3 months of Discharge	7389	0.437000
12	Selective Service after 3 months of Discharge	23	0.001360
NA	NA	29342	1.730000

# HISTID

**Label:** Historical Unique Identifier (1940 Census)

**Description:** HISTID is a unique individual-level identifier assigned to individuals in IPUMS-USA 1940 census data. This variable is available for individuals where a link between army enlistment records and the 1940 census has been established.

HISTID	n	freq %
non-missing	761518	45
NA	930761	55