Technical Information for the 2018 Nonemployer Statistics by Demographics (NES-D): Statistics for Nonemployer and Employer Firms Dataset Accessible via the Application Programming Interface (API)

Estimates are provided for employer and nonemployer firms classifiable by sex, ethnicity, race, and veteran status, (DATA FIELDs described under the single attributes of "SEX", "ETH_GROUP", "RACE_GROUP", and "VET_GROUP") as well as for firms not classifiable by sex, ethnicity, race, and veteran status.

Data are tabulated by:

- Geography (U.S., states, and metro areas)
  Industry (2-digit and 3-digit 2017 North American Industry Classification System code (NAICS2017) and meaning of code (NAICS2017_LABEL)) [See https://www.census.gov/naics/ for detailed information.]

The full list of geographies can be found at *api.census.gov/data/2018/absnesd/geography.html*

Abbreviations and Symbols:

Please note that Symbols will show in the associated flag field for variables. The data value shown will be zero. The following abbreviations and symbols are used with these data:

D - Withheld to avoid disclosing data for individual companies

N - Not available or not comparable

S - Withheld because estimates did not meet publication standards

X - Not applicable

The following symbols are used to identify the level of noise applied to the data:

G - Low noise: The cell value was changed by less than 2 percent by the application of noise.

H - Moderate noise: The cell value was changed by 2 percent or more but less than 5 percent by the application of noise.

J - High noise: The cell value was changed by 5 percent or more by the application of noise.

For the complete list of all economic programs symbols, see the Symbols Glossary at https://www.census.gov/programs-surveys/economic-census/technical-documentation/data-dictionary.html.

Technical Notes:

Detail may not add to the total or subgroup total because a Hispanic or Latino firm may be of any race, and because a firm could be tabulated in more than one racial group. For example, if an employer firm responded as both Chinese and Black majority-owned, the firm would be included in the detailed Asian and Black estimates but would only be counted once toward the higher-level estimates for all firms. The nonemployer demographics are assigned based on the survey methods and can also be tabulated in more than one racial group.

For all firms classifiable by sex, ethnicity, race, and veteran status, the details are counted based on the person(s) owning 51 percent or more of the stock or equity in the business. These estimates are tabulated by single attribute (such as female-owned). Separate estimates are counted and tabulated for firms equally owned (50 percent / 50 percent).

Firms not classifiable by sex, ethnicity, race, and veteran status are counted and tabulated separately.

Firms with more than one domestic establishment are counted in each industry in which they operate, but only once in the U.S. total for all sectors. For information on confidentiality protection, sampling error, nonsampling error, and definitions, see the Methodology section at https://www.census.gov/programs-surveys/abs/technical-documentation/NESDmethodology.htm

Valid Data Values

To build valid API queries, data users will need to refer to the following codes.

Note: RCPSZFI and LFO data fields are only available for nonemployer data.

RCPSZFI represents the sales/receipts/revenue size categories of firms.

DATA FIELD	Valid codes	Meaning of code
RCPSZFI	001	All firms
	511	Firms with sales/receipts of less than $5,000
	518	Firms with sales/receipts of $5,000 to $9,999
	519	Firms with sales/receipts of $10,000 to $24,999
	521	Firms with sales/receipts of $25,000 to $49,999
	522	Firms with sales/receipts of $50,000 to $99,999
	523	Firms with sales/receipts of $100,000 to $249,999
	525	Firms with sales/receipts of $250,000 to $499,999
	531	Firms with sales/receipts of $500,000 to $999,999
	532	Firms with sales/receipts of $1,000,000 or more

LFO represents the Legal Form of Organization of firms.

DATA FIELD	Valid codes	Meaning of code
LFO	001	All firms
	9101	C-Corporations and other corporate legal forms of organization
	9111	S-Corporations
	920	Individual proprietorships
	930	Partnerships

The employer firm demographics data were collected directly from the Annual Business Survey (ABS). If any one **person** owned 10 percent or more of the business in 2018, the respondent was asked to provide the sex, ethnicity, race, and veteran status for up to four persons owning the largest percentage(s) of the business in 2018. Please refer to these questions and valid codes (listed by DATA FIELD in the order asked on the questionnaire) for a better understanding of the information collected, which resulted in the classification of majority business ownership. Please note that only the race question instructed the respondent to "***Select all that apply.***" For more information, please see the 2019 ABS Methodology.

For nonemployer firms: the demographics of nonemployer firms are assigned using a variety of administrative records (AR) and Census Bureau data sources that include the Business Register (BR), Internal Revenue Service (IRS) tax Form 1040 data, tax Schedule K-1 data, Decennial Census and American Community Survey (ACS) data, Social Security Administration Numident data, and AR from the Department of Veterans Affairs (VA). Please refer to the NES-D methodology for more details. Note: The questions above the Valid Code field were only asked in the ABS and were not used in any way for the nonemployer NES-D data.

"What is the sex of *Owner 1 (2, 3, or 4)*?"

DATA FIELD	Valid codes	Meaning of code
SEX	001	Total
	002	Female
	003	Male
	004	Equally male/female
	096	Classifiable
	098	Unclassifiable

"Has *Owner 1 (2, 3, or 4)* ever served in any branch of the U.S. military service, including the Coast Guard, the National Guard, or a Reserve component of any service branch?"

DATA FIELD	Valid codes	Meaning of code
VET_GROUP	001	Total
	002	Veteran
	003	Equally veteran/nonveteran
	004	Nonveteran
	096	Classifiable
	098	Unclassifiable

"Is *Owner 1 (2, 3, or 4)* of Hispanic, Latino, or Spanish origin?"

DATA FIELD	Valid codes	Meaning of code
ETH_GROUP	001	Total
	020	Hispanic
	028	Equally Hispanic/non-Hispanic
	029	Non-Hispanic
	096	Classifiable
	098	Unclassifiable

"What is *Owner 1 (2, 3, or 4)'s* race? ***Select all that apply.*** *(For this survey, Hispanic origins are not races.)*"

DATA FIELD	Valid codes	Meaning of code
RACE_GROUP	00	Total
	30	White
	40	Black or African American
	50	American Indian and Alaska Native
	70	Native Hawaiian and Other Pacific Islander
	90	Minority
	91	Equally minority/nonminority
	92	Nonminority
	96	Classifiable
	98	Unclassifiable