



ESRI
EXTERNAL

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Release Notes Esri® 2024 U.S. Demographics

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Contents

Overview4

Geography5

Esri Updated Demographics7

American Community Survey (ACS).....9

Census Demographics.....10

Esri Tapestry Segmentation.....12

Esri Consumer Spending13

Esri Retail Demand by Industry16

Esri Market Potential.....17

Esri Business Summary18

Crime Indexes.....19

Reports20

Overview

This document describes what's new in Esri 2024/2029 U.S. Demographics released in ArcGIS in June 2024. Changes include:

- Changes to geographic boundaries, including the nine new county-equivalent Councils of Governments/Planning Regions for the state of Connecticut.
- Transitioned to a different ZIP Code source.
- Additions of new data variables.
- Enhanced the conversion methodology for all 2000 and 2010 decennial census data variables presented in the latest TIGER geometry.
- Expanded the 2000 and 2010 variable inventory for Puerto Rico to match the larger inventory of the U.S. datasets.
- Changes to data contained in standard reports.

For a complete listing of available data variables, see the [Esri 2024-2029 U.S. Data Catalog](#) (XLS).

Geography

Quick Reference

Geography changes (additions, removals, renaming) from the last update cycle are indicated below. In this update all TIGER boundaries moved to TIGER 2023.

United States	2024 Feature Count & Version	2023 Feature Count & Version	
	2020 Census Geographies (released in June 2024)	2020 Census Geographies (released in June 2024)	2020 Census Geographies (released in June 2023)
Block Group (BG)	239,246 (TIGER 2023*)	239,203 (TIGER 2021*)	239,203 (TIGER 2021*)
Tract (TR)	84,116 (TIGER 2023*)	84,112 (TIGER 2021*)	84,112 (TIGER 2021*)
County (CY)	3,144 (TIGER 2023*)	3,143 (TIGER 2021*)	3,143 (TIGER 2021*)
State (ST)	51 (TIGER 2023*)	51 (TIGER 2021*)	51 (TIGER 2021*)
United States (US)	1 (TIGER 2023*)	1 (TIGER 2021*)	1 (TIGER 2021*)
Census Correspondence			
County Subdivisions (CS)	35,403 (TIGER 2023*)	35,545 (TIGER 2020*)	35,545 (TIGER 2020*)
Places (PL)	32,035 (TIGER 2023*)	31,893 (TIGER 2022*)	31,893 (TIGER 2022*)
CBSA (CB)	925 (OMB/July 2023)	927 (OMB/March 2020)	927 (OMB/March 2020)
Designated Market Areas (DM)	210 (2023-2024 The Nielsen Company)	210 (2022-2023 The Nielsen Company)	210 (2022-2023 The Nielsen Company)
Congressional Districts (CD)	436 (118th Congress) (TIGER*)	436 (118 th Congress) (TIGER*)	436 (118 th Congress) (TIGER*)
Postal Geographies			
Residential ZIP Codes (ZP)	32,134 (TomTom Q2 2023)	32,134 (TomTom Q2 2023)	32,297 (HERE Q3 2022)
All ZIP Codes (Residential and Non-Residential)	40,956 (TomTom Q2 2023)	40,956 (TomTom Q2 2023)	41,478 (HERE Q3 2022)

*US Census Bureau TIGER/Line Geodatabases are altered to better align with Esri's Basemaps.

Puerto Rico	2024 Feature Count & Version	2023 Feature Count & Version
	2020 Census Geographies (released in June 2024)	2020 Census Geographies (released in June 2023)
Block Group (BG)	2,513 (TIGER 2023*)	2,513 (TIGER 2020*)
Tract (TR)	939 (TIGER 2023*)	939 (TIGER 2020*)
County (municipios) (CY)	78 (TIGER 2023*)	78 (TIGER 2020*)
Country (state equivalent) (ST)	1 (TIGER 2023*)	1 (TIGER 2020*)
Census Correspondence		
County Subdivisions (barrios or barrios-pueblos) (CS)	901 (TIGER 2023*)	901 (TIGER 2020*)
Places (comunidad or zona urbana) (PL)	292 (TIGER 2023*)	292 (TIGER 2022*)
CBSA (CB)	10 (OMB/July 2023)	12 (OMB/March 2020)
Postal Geographies		
Residential ZIP Codes (ZP)	123 (TomTom Q2 2023)	123 (HERE Q3 2022)
All ZIP Codes (Residential and Non-Residential)	176 (TomTom Q2 2023)	176 (HERE Q3 2022)

*PR Census Bureau TIGER/Line Geodatabases are altered to better align with Esri's Basemaps.

County (CY)

Changes regarding Connecticut (CT) counties also impact codes that contain county components such as County Subdivisions (CS), Block Groups (BG), and Tracts (TR).

CBSA (CB)

Incorporated the first post-2020 CBSA delineation (July 2023):

- Total count of metro/micro areas in the U.S. went from 927 in 2023 to 925 in 2024.
- There are 54 CBSA codes that were part of 2023 that are not part of 2024.
- There are 52 CBSA codes that are part of 2024 that were not part of 2023.
- 229 counties changed CBSA assignments.

Designated Market Areas (DM)

Updated to 2023-2024 Nielsen DMs for the U.S.:

- 1 name change.
- 12 county composition changes.

Code Differences by geography

The following table provides a count of code differences by geography for the U.S. and Puerto Rico between the 2023 update and the 2024 update. Note that these are just code differences which is only one way to understand the changes.

Code Changes	New Codes for Update 2024 – U.S.	Dropped Codes Since 2023 Update – U.S.	New Codes for 2024 Update – Puerto Rico	Dropped Codes Since 2023 Update – Puerto Rico
Block Group	2,716	2,716	0	0
Tract	883	883	0	0
County	9	8	0	0
State	0	0	0	0
US	0	0		
CSDs	1,299	1,433	0	0
Places	154	12	0	0
CBSA	52	54	2	4
DMA	0	0		
CDs	0	0	0	0
Residential ZIPs	714	802	1	1
All ZIPs	116	638	0	0

Esri Updated Demographics

Esri presents the 2024/2029 demographic estimates and forecasts. Esri Updated Demographics are point estimates representing July 1 of the current and forecast years. Topics include:

- Population—in Households, Group Quarters, Daytime
- Age—by Generations, Age Dependency Ratios
- Race and Hispanic origin—Diversity Index
- Age by Gender by Race and Hispanic origin
- Households and Families
- Labor Force, Employment by Industry and Occupation, Economic Dependency Ratios
- Marital Status
- Education
- Income—Household Income, Household Income by Age, Per Capita, Disposable.
- Housing by Occupancy, Tenure, Home Value, Rent
- Housing and Wealth—Total Housing Units, Housing Affordability Index, Percent of Income for Mortgage, Wealth Index

What's New

- Historical Time Series for Population, Households, and Housing Units covering the 2010 through 2024 time period.
- New 2024 Labor Force variables by seven race categories.
- New 2024 and 2029 Contract Rent variables.

ADDED	Number of variables
See Esri U.S. June 2024 new and removed variables by dataset (XLS)	70

Report Name	Updated Data	Variables Removed	Variables Added	No Change
Esri Updated Demographic Reports				
Age 50+ Profile	X			
Age by Sex Profile	X			
Age by Sex by Race Profile	X			
Civilian Labor Force Profile	X			
Community Profile	X			
Demographic & Income Profile	X			
Demographic & Income Comparison	X			
Detailed Age Profile	X			
Disposable Income Profile	X			
Executive Summary	X			
Graphic Profile	X			
Household Income Profile	X			
Housing Profile	X			
Market Profile	X			
Net Worth Profile	X			

Report Name	Updated Data	Variables Removed	Variables Added	No Change
Time Series	X			

Learn more:

- [Variable List](#)
- [Methodology](#)
- [Other Resources](#)

American Community Survey (ACS)

Esri has released the ACS 2018-2022 5-year data. The American Community Survey (ACS) is the de facto replacement for sample data from the decennial census. Releases for all areas represent averages over 60 months, or five years (2018–2022, inclusive).

ADDED	Number of variables
United States: See Esri U.S. June 2024 new and removed variables by dataset (XLS)	13
Puerto Rico: See Puerto Rico Advanced Demographics reference documents	12

REMOVED	Number of variables
United States: See Esri U.S. June 2024 new and removed variables by dataset (XLS)	11
Puerto Rico: See Puerto Rico Advanced Demographics reference documents	12

Report Name	Updated Data	Variables Removed	Variables Added	No Change
ACS Demographic Reports				
ACS Population Summary	X			
ACS Key Population & Household Facts	X			
ACS Housing Summary	X	X	X	

Learn more:

- [U.S. Variable Lists](#)
- [U.S. Methodology](#)
- [U.S. Other Resources](#)
- [Puerto Rico Advanced Demographics reference documents](#)

Census Demographics

Census 2020 Data— Esri has released the 2020 Census Demographic and Housing Characteristics (DHC) data which includes basic information on population and housing as well as detailed information on the following:

- Age
- Sex
- Race
- Hispanic or Latino origin
- Household type
- Family type
- Relationship to householder
- Group quarters population
- Housing occupancy
- Housing tenure

Data also include:

- **Calculated Items**— Esri produces a set of derived statistics, including compound annual growth rates for all totals, vacant housing units, average household size, population density, and Esri’s Diversity Index.
- **Hispanic by Race**— The Census Bureau releases data tables for the non-Hispanic population by race and non-Hispanic population by race for the population 18 years of age and older. Esri uses the released census data to calculate Hispanic population by race and Hispanic population by race for the population under the age of 18.
- **Census 2010 and 2000 Data**— Esri has recalibrated key items from prior censuses into Census 2020 based geography. This enables you to make direct comparisons of Census 2000, Census 2010, Census 2020, and Esri 2024/2029 data.

What’s New

Enhanced the list of decennial census variables for Puerto Rico.

ADDED	Number of variables
Puerto Rico: See Puerto Rico Advanced Demographics reference documents	1,010

Report Name	Updated Data	Variables Removed	Variables Added	No Change
Census Demographic Reports				
2020 Census Profile	X			
2010 Census Profile				X

Learn more:

- [Variable List](#)

- [Methodology](#)
- [Other Resources](#)
- [Puerto Rico Advanced Demographics reference documents](#)

Esri Tapestry Segmentation

Tapestry™ Segmentation—Tapestry Segmentation is a market segmentation system designed to identify consumer markets in the United States. Reflecting the increasing diversity among American consumers, Tapestry includes 67 distinct market segments and 14 summary groups.

What's New

Tapestry Segmentation data have been updated to 2024.

ADDED	Number of variables
See Esri U.S. June 2024 new and removed variables by dataset (XLS)	185

REMOVED	Number of variables
See Esri U.S. June 2024 new and removed variables by dataset (XLS)	68

Report Name	Updated Data	Variables Removed	Variables Added	No Change
Demographic Reports				
Tapestry Segmentation Area Profile	X			

Learn more:

- [Variable List](#)
- [Methodology](#)
- [Other Resources](#)

Esri Consumer Spending

Esri has combined the latest Consumer Expenditure Surveys (CEX), 2021–2022, from the Bureau of Labor Statistics (BLS) to estimate current spending patterns. Data is reported by product or service and includes total expenditures, average spending per household, and a Spending Potential Index (SPI). Current-year and five-year consumer spending forecast data is available.

What's New

- The Consumer Spending data has been updated to 2024 and 2029.
- The 2024 and 2029 Consumer Spending estimates and projections data were developed with Esri's next generation Tapestry segmentation system to leverage the new neighborhood consumer markets. Note that the next generation Tapestry Segmentation system will be released in October 2024.

ADDED	Number of variables
See Esri U.S. June 2024 new and removed variables by dataset (XLS)	20

REMOVED	Number of variables
See Esri U.S. June 2024 new and removed variables by dataset (XLS)	75

Over time, the Bureau of Labor Statistics (BLS) Consumer Expenditures program can change how spending data are collected and tabulated over time. New spending items can get added, others deleted, while some may get redefined. As a result, Esri's current year and forecast year Consumer Spending variable inventory will change accordingly as well.

This year included three significant sets of changes.

First, the variables that defined Esri's "**X1131 Meals at Restaurants/Other**" summary item (which is a component of the broader "**X1130 Food Away From Home**" summary item) were deleted because the 2022 BLS survey redefined these expenditure items by removing the meal type distinction of breakfast, lunch, dinner, and snacks. The variables deleted include:

- X1132 Lunch Away from Home
- X1133 Lunch at Fast Food/Take-Out/Delivery
- X1134 Lunch at Full Service Restaurants
- X1135 Lunch at Employer/School Cafe
- X1136 Lunch at Vending/Mobile Vendors
- X1137 Dinner Away from Home
- X1138 Dinner at Fast Food/Take-Out/Delivery
- X1139 Dinner at Full Service Restaurants
- X1140 Dinner at Employer/School Cafe
- X1141 Dinner at Vending/Mobile Vendors
- X1142 Snacks & Beverages Away from Home
- X1143 Snacks at Fast Food/Take-Out/Delivery

- X1144 Snacks/Beverages at Full Service Restaurants
- X1145 Snacks/Beverages at Employer/School Cafe
- X1146 Snacks/Beverages at Vending/Mobile Vendors
- X1147 Breakfast and Brunch Away from Home
- X1148 Breakfast/Brunch at Fast Food/Take-Out/Deliv
- X1149 Breakfast/Brunch at Full Service Restaurants
- X1150 Breakfast/Brunch at Employer/School Cafe
- X1151 Breakfast/Brunch at Vending/Mobile Vendors

These deleted variables were replaced with the four new fields below, which are just a collapsing of detail by dropping the meal type dimension but still retaining *where* food purchases were made:

- X1156 Food and Nonalcoholic Beverages at Fast Food
- X1157 Food and Nonalcoholic Beverages at Full Service Restaurants
- X1158 Food and Nonalcoholic Beverages at Vending Machines and Mobile Vendors
- X1159 Food and Nonalcoholic Beverages at Employer

Next, detail was lost in the alcohol away from home category where the alcohol distinction (for example, beer, wine, other) is no longer available.

- X2008 Beer & Ale Away from Home
- X2009 Beer & Ale at Full Service Restaurant
- X2010 Beer & Ale at Fast Food/Take-Out/Delivery/Vending
- X2011 Wine Away from Home
- X2012 Wine at Full Service Restaurant
- X2013 Wine at Fast Food/Take-Out/Delivery/Vending
- X2014 Other Alcohol Away from Home
- X2015 Other Alcohol at Full Service Restaurant
- X2016 Other Alcohol at Fast Food/Take-Out/Delivery/Vending

While the above detail no longer exists, they were part of “**X2007 Alcoholic Beverages Away from Home**” which is still in Esri’s inventory. So updated spending in this broader category is still available.

Next, school books and supplies variables have been redefined. The following were deleted this year:

- X11007 College Books & Supplies
- X11008 Elementary & High School Books & Supplies
- X11009 Vocational & Technical School Books & Supplies
- X11010 Preschool & Other School Books & Supplies

Expenditures on “supplies” were separated and school type distinction lost (for example, no more spending data broken out by college, elementary & HS, and so on). The new variables added include:

- X11014 School Books for College
- X11015 School Books for Elementary and High Schools
- X11016 School Books for Vocational and Technical Schools
- X11017 School Books for Day cares and Nurseries
- X11018 School Books for Other Schools
- X11019 School Supplies and Equipment

Lastly, the following variables were removed because they were not published in the latest BLS survey due no data reported or small sample size:

- X3080 Phone Cards
- X5014 Mens Uniforms
- X5042 Boys Uniforms
- X5030 Womens Uniforms
- X5055 Girls Uniforms

Report Name	Updated Data	Variables Removed	Variables Added
Consumer Spending Reports			
Automotive Aftermarket Expenditures	X		
Financial Expenditures	X		
House and Home Expenditures	X		
Household Budget Expenditures	X		
Medical Expenditures	X		
Recreation Expenditures	X		
Retail Goods and Services Expenditures	X		
Retail Demand Outlook	X		

Learn more:

- [Variable List](#)
- [Methodology](#)
- [Other Resources](#)

Esri Retail Demand by Industry

Esri U.S. Retail Demand data estimates spending in retail trade, food services, and drinking places industries. Data provide an understanding of *where* consumers are spending their dollars on an annual basis in 13 NAICS (North American Industry Classification System) Subsectors and 30 NAICS Industry Groups. Data include total expenditures by all households, average spending per household which represents the typical amount spent by household, and an index comparing spending to the U.S. average. Data are based on the latest Consumer Expenditure Surveys by the Bureau of Labor Statistics and the Economic Census by the U.S. Census Bureau. Use Retail Demand data to understand how dollars are being spent in retail and food establishments in your area of focus. Data are available for the U.S.

What's New

- Retail Demand by Industry was updated to 2024.

Report Name	Updated Data	Variables Removed	Variables Added
Retail Demand Reports			
Retail Demand by Industry	X		

Esri Market Potential

Esri's 2024 Market Potential data measures the likely demand for a product or service in an area. With this release, Esri computes Market Potential by combining 2024 Tapestry™ Segmentation data with Doublebase® 2023 data from MRI-Simmons. Doublebase 2023 is an integration of information from four consumer surveys. Each survey respondent can be identified by Tapestry segment, so a rate of consumption by Tapestry segment can be determined for a product or service for any area.

What's New

- The Market Potential data have been updated to 2024.
- Esri expanded Market Potential to include attributes on healthcare, video streaming services, video game consoles, pet food retailers, and more.
- Removed attributes that are no longer applicable or replaced by other attributes.

Esri's next generation Tapestry neighborhood classification system makes its initial debut in the Market Potential model. While the official launch of this new segmentation database is scheduled for October 2024, it was used to generate these estimates. With this change in surveys, some Esri product codes have been *removed* and some have been *added*. In addition, some product code descriptions have been changed.

ADDED	Number of variables
See Esri U.S. June 2024 new and removed variables by dataset (XLS)	74

REMOVED	Number of variables
See Esri U.S. June 2024 new and removed variables by dataset (XLS)	16

Updated Reports—The following reports have been updated:

Report Name	Updated Data	Variables Removed	Variables Added
Market Potential Reports			
Electronics and Internet Market Potential	X	X	X
Finances Market Potential	X		
Health and Beauty Market Potential	X		X
Pets and Products Market Potential	X		X
Restaurant Market Potential	X		
Retail Market Potential	X		
Sports and Leisure Market Potential	X		X

Learn more:

- [Variable List](#)
- [Methodology](#)
- [Other Resources](#)

Esri Business Summary

Esri creates business summary data from a comprehensive list of businesses licensed from Data Axle. This business list contains data on more than 13 million U.S. businesses--including the business name, location, franchise code, industry classification code, number of employees, and sales volume. The Data Axle business listings are summarized by sales volume and number of employees into various industry groups defined by SIC Codes and NAICS Codes.

What's New

- This release contains 2024 Esri Business Summary data based on Data Axle data (Feb 2024).

Learn more:

- [Variable List, Methodology, Other Resources](#)

Report Name	Updated Data	Variables Removed	Variables Added	No Change
Business Summary	X			

Crime Indexes

Crime Indexes provide a view of the relative risk of specific crime types. It is not a database of actual crimes, but rather the relative risk in an area compared to the United States in its entirety. The database includes indexes for several categories of personal and property crime.

What's New

- Crime Indexes are updated to 2024 (vintage 2024A from AGS) and available in 2024 geographic boundaries.

Learn more:

- [Variable List](#)
- [Methodology](#)
- [Other Resources](#)

Reports

Updated Reports—The following standard reports have been updated:

Report Name	Updated Data	Variables Removed	Variables Added	No Change
Demographic Reports				
2010 Census Profile				X
2020 Census Profile	X			
ACS Housing Summary	X	X	X	
ACS Key Population & Household Facts	X			
ACS Population Summary	X			
Age 50+ Profile	X			
Age by Sex Profile	X			
Age by Sex by Race Profile	X			
Civilian Labor Force	X			
Community Profile	X			
Demographic & Income Profile	X			
Demographic & Income Comparison	X			
Detailed Age Profile	X			
Disposable Income Profile	X			
Executive Summary	X			
Graphic Profile	X			
Household Income Profile	X			
Housing Profile	X			
Market Profile	X			
Net Worth Profile	X			
Tapestry Segmentation Area Profile	X			
Time Series	X			
Business & Locator Reports				
Business Locator	X			
Business Summary	X			
Traffic Count Profile				X
Traffic Count Map				X
Traffic Count Map – Close Up				X
Consumer Spending Reports				
Automotive Aftermarket Expenditures	X			
Financial Expenditures	X			
House and Home Expenditures	X			
Household Budget Expenditures	X			
Medical Expenditures	X			
Recreation Expenditures	X			
Retail Goods and Services Expenditures	X			

Report Name	Updated Data	Variables Removed	Variables Added	No Change
Retail Demand Outlook	X			
Retail Demand by Industry	X			
Market Potential Reports				
Electronics and Internet Market Potential	X	X	X	
Finances Market Potential	X			
Health and Beauty Market Potential	X		X	
Pets and Products Market Potential	X		X	
Restaurant Market Potential	X			
Retail Market Potential	X			
Sports and Leisure Market Potential	X		X	

For more information about Esri U.S. Demographics, please see:

<https://doc.arcgis.com/en/esri-demographics/latest/regional-data/united-states.htm>



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