Every ten years, the United States Census updates its population data for every county in the country. New Jersey is the most densely populated state in the country and has twenty-one counties, each distinct in history and ethnographical makeup. The United States Census has recently released its data from the 2020 Census, showing an increase in New Jersey residents from 8,791,894 in 2010 to 9,288,994 in 2020. From 2000 to 2010, the number of residents living within New Jersey's 21 counties increased by 377,544, whereas the growth from 2010 to 2020 was 497,100 residents. In order to understand how the population of New Jersey has changed in these periods, this report focuses on one characteristic of New Jersey's population: ethnography.

Ethnography is the description of a society or a territory's ethnic and racial demographics. This report analyzes the data from the 2020, 2010, and 2000 censuses to understand one important aspect of New Jersey's population. Using the data from these three censuses, this report will analyze the following populations of New Jersey's twenty-one counties to determine how the ethnic makeup of New Jersey's counties has changed: White, Black, Asian, and Hispanic. Because this study's goal is to examine overall changes in ethnic makeup in New Jersey's counties, the following U.S. Census racial categories that represent less than 1% of New Jersey's total population are not included in this study: Native Hawaiian or Pacific Islander, American Indian or Alaska Native, and Other Race. Similarly, in order to maintain the focus and clarity of this report, only the individuals who self

	274,534	274,549	252,552
	955,732	905,116	884,118
	461,860	448,734	423,394
	523,485	513,657	508,932
	95,263	97,265	102,326
	154,152	156,898	146,438

	863,728	783,969	793,633
	302,294	288,288	254,673
	724,854	634,266	608,975
	128,947	128,349	121,989
	387,340	366,513	350,761
	863,162	809,858	750,162
	643,615	630,380	615,301

how the demographics changed from 2000 to 2020. In order to find the change in each New

Jersey county from 2000 to 2020, the following formula was used:

$$\% \text{ of racial group A in } 2020 \% \text{ of racial group A in } 2000$$

Using this formula, the 2020 percentage of the Hispanic population in Passaic County,

New Jersey (42.7%), for example, minus the 2000 percentage of the same group in Passaic

County (30%) is 12.7%. Therefore, there was an increase of 12.7 percentage points from 2000 to

2020 in the Hispanic portion of the population of Passaic County, New Jersey. This formula is

then applied across the data and is represented in Table B. A negative number in the data denotes

a situation in which the percentage of the population of a specific group decreased from 2000 to

2020.

Difference in Percentage of Total Population in each New Jersey County from 2000 to 2020 by Racial or Ethnic Category

	7%	3%	1%	5%
	11%	-4%	2%	10%

	7%	-2%	1%	1%
	14%	1%	10%	5%
	8%	-6%	4%	2%

Diversity Rating Based on 2020 Census Data Interactive Dashboard:

https://public.tableau.com/app/profile/alyssa6012/viz/HughesCenterAnalysisofNJCensusData/Dashboard1

Diversity is a qualitative variable which this report transforms into a quantitative variable. Diversity is conceptualized as the amount that a county's population consists of different racial groups. To accurately compare the levels of diversity in each county in 2020, each county is assigned a numerical rating between one and twelve. Counties with a diversity rating closer to one are the least diverse and counties with a diversity rating closer to twelve are the most diverse.

This report assigns each county a rating based on how diverse it is regarding its Hispanic, White, Black, and Asian populations. For each racial or ethnic category, the county receives a number one through three, with one being the least diverse for a given category and three being the most. Table C shows the percentage threshold of each racial and ethnic category that grants counties a one, two, or three. Because the White population is the most common race in the United States (57.8%) and in New Jersey (61.6%) in 2020 according to the Census, it is weighted differently in diversity rating than Hispanic, Black, and Asian. Table C explains that counties with a White population greater than 75% receive a diversity rating of one for such population category, counties with a White population between 50%-75% receive a two, and counties with a White population less than 50% receive a three. However, the Hispanic diversity rating is exactly opposite of the White diversity rating.

Black and Asian counties are weighted the same as each other. Counties with Black or Asian populations that are less than 10% received a one for those categories, counties with Black or Asian populations that are between 10% to 20% received a two, and counties with Black or Asian populations greater than 20% received a three.

Diversity Index Percentage Threshold

Hispanic		White		Black		Asian	
<50%	1	<50%	3	<10%	1	<10%	1
50%-75%	2	50%-75%	2	10%-20%	2	10%-20%	2

Percentage of Black Population and Asian Population in New Jersey Counties &
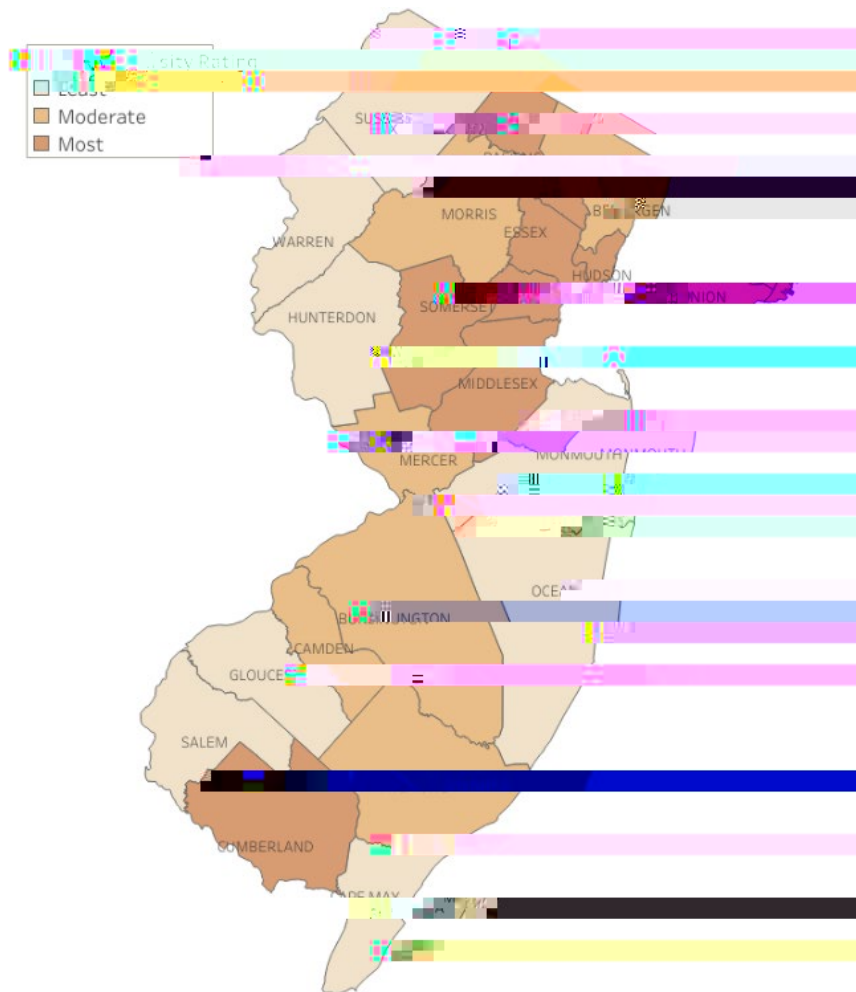Diversity Index Scores by Racial or Ethnic Category

Name	Non-Hispanic Black or African American Alone	Black rating	Non-Hispanic Asian Alone	Asian rating
Atlantic County	17.7%	2	9.8%	1
Bergen County	6.6%	1	21.0%	3
Burlington County	17.7%	2	6.2%	1
Camden County	22.2%	2	7.5%	1
Cape May County	3.8%	1	1.0%	1
Cumberland County	26.1%	3	2.0%	1
Essex County	49.6%	3	7.2%	1
Gloucester County	11.2%	2	3.4%	1
Hudson County	16.5%	2	28.6%	3
Hunterdon County	2.6%	1	4.8%	

Overall Diversity Index Scores & Diversity Categorization of New Jersey Counties

Name	Diversity Score	Diversity Rating
Atlantic County		

Diversity Rating Based on 2020 Census Data ([Interactive Dashboard](#))

The counties that are considered the most diverse are Union, Somerset, Passaic, Middlesex, Hudson, and Essex. These counties received a diversity score between nine and twelve. Hudson County, according to the U.S. Census data from 2020, is the most diverse county in New Jersey, receiving a diversity score of eleven out of twelve. The White population was less

New Jersey's population changed from 8,414,350 in 2000 to 9,288,994 in 2020, which is an

Bureau, US Census. "About the Topic of Race." Census.gov, March 1, 2022.

https://www.census.gov/topics/population/race/about.html.

Bureau, U.S. Census. "New Jersey Population Topped 9 Million in Last Decade." Census.gov,

October 8, 2021. https://www.census.gov/library/stories/state-by-state/new-jersey-population-

change-between-census-decade.html.

Bureau, US Census. "Racial and Ethnic Diversity in the United States: 2010 Census and 2020

Census." Census.gov, February 5, 2022.

https://www.census.gov/library/visualizations/interactive/racial-and-ethnic-diversity-in-the-

united-states-2010-and-2020-census.html.

Bureau, U.S. Census. "The Chance That Two People Chosen at Random Are of Different Race

or Ethnicity Groups Has Increased since 2010." Census.gov, March 25, 2022.

https://www.census.gov/library/stories/2021/08/2020-united-states-population-more-racially-

ethnically-diverse-than-2010.html.