

Changes to Public Use Microdata Areas (PUMAs): 2010 to 2020

Analysis based on PUMA to tract relationship files. The Census Bureau has not yet released crosswalk files for 2010 to 2020 PUMAs. (February 2, 2024)

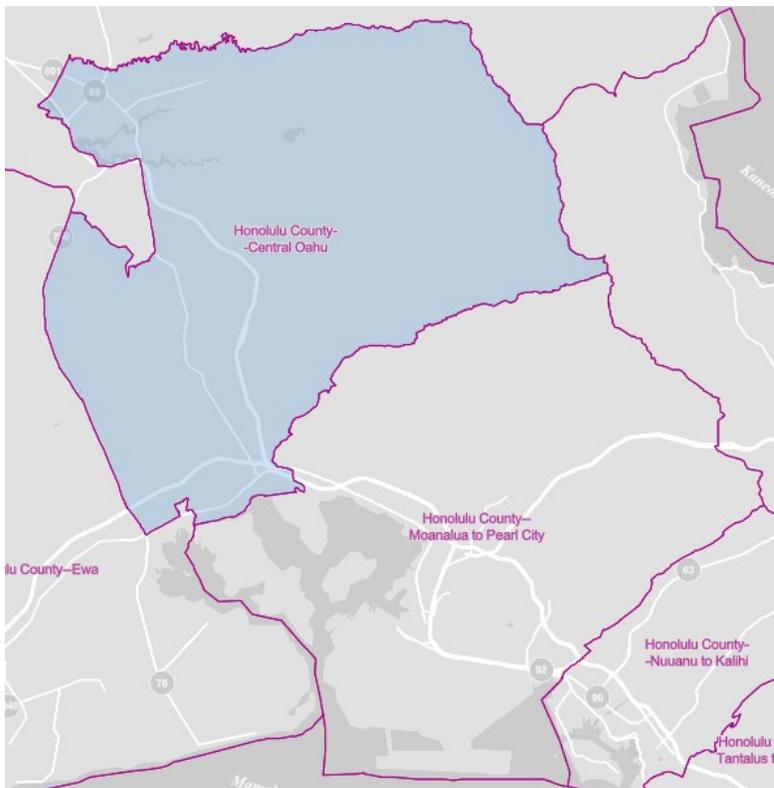
Summary

There were changes to PUMA 306 and 307 on Oahu starting with the 2022 data. The change resulted in insignificant population changes between the two PUMAs. Code will need to be added to unify puma variables before running any existing code or creating a county variable for Honolulu.

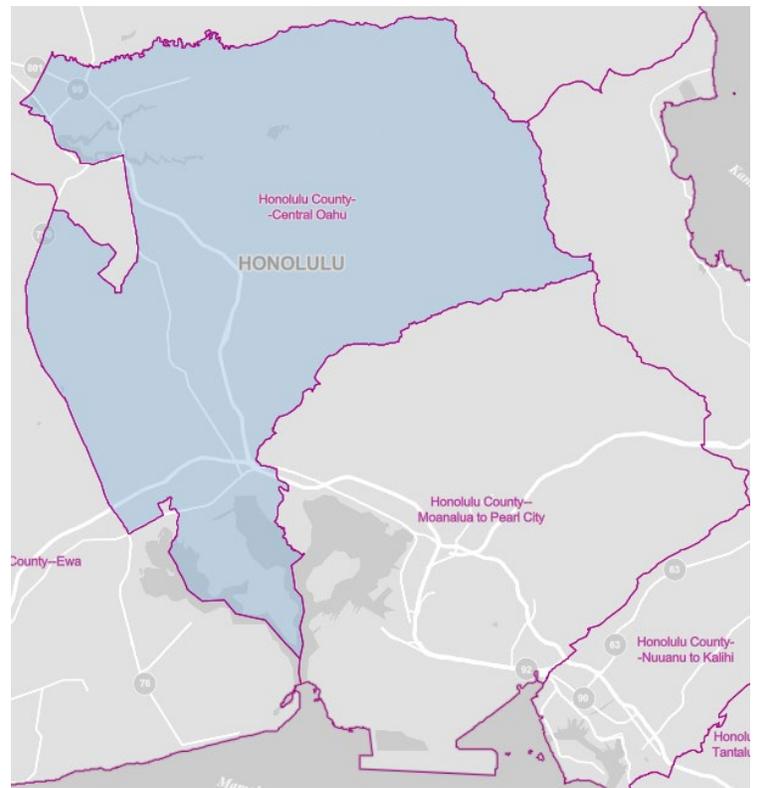
PUMA changes

Two PUMAs were changed between 2010 and 2020—Oahu's PUMAs 306 and 307. Part of PUMA 306 (Moanalua to Pearl City) was reassigned to 307 (Central Oahu). This change was made to align the PUMAs with county planning department definitions of the areas. Names and PUMA numbers **did not** change. The boundary changes are displayed below.

2010 PUMA



2020 PUMA



Click the maps to follow the link to an interactive version of the map.

Changes to PUMAs:

- Tract 9822 moved from PUMA 306 to PUMA 307. According to the decennial census, there were 31 people and 1 household in this tract.
- A portion of tract 90 was reallocated to tract 89.34. There was no population in the blocks that were moved from tract 90 to tract 89.34.

Impacts to PUMS data

Starting with the 2022 5-year ACS PUMS data, there are two puma variables—puma10 and puma20. Data collected **before 2022** will have data in the puma10, and data collected **in 2022 and later** will have data in the puma20 variable.

Running older code calling the puma variable will throw an error.

Because the changes to PUMAs impact a small number of people and no PUMA numbers changed, the impacts to data quality are minimal for reporting PUMA-level data. If you are only analyzing county-level data, combining puma codes in a unified variable will have no effect on your data.