

Imputation of 1990 Non-Hispanic White Block Group Data to Neighborhoods

Aggregating Census data for neighborhoods using Blocks is straightforward. Blocks do not substantially straddle neighborhood boundaries and are simply coded by location.

1990 Data for the Non-Hispanic White population was only readily available at the **Block Group** level however, requiring an estimation method for those Block Groups that cross neighborhood boundaries.

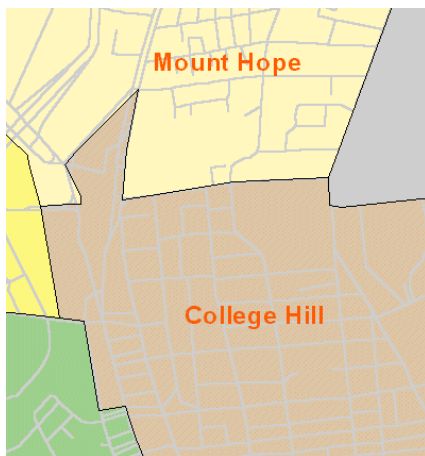
Aggregating data for neighborhoods using Block Groups requires imputation of the Block Group data based on the proportion of the population within the part of the Block Group in each neighborhood.

The proportion of the population within each neighborhood portion of the Block Group was determined using **Blocks** within each Block Group. The number to be imputed was then multiplied by this proportion to determine values assigned to each neighborhood.

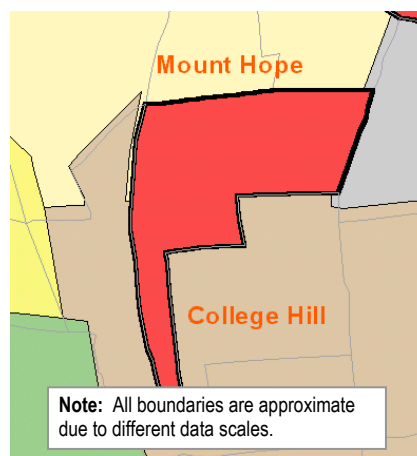
For example, in the College Hill and Mount Hope neighborhoods, a Block Group containing twelve Blocks straddled the neighborhood boundary:

Small-Area Census Geography

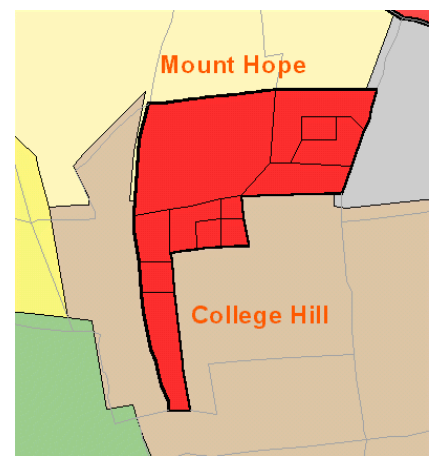
The three finest levels of Census geography are Tract, Block Group and Block. Tracts (defined as small, homogenous, and relatively permanent areas) contain 4,000 persons on average. Block Groups are a subdivision of Census Tracts, containing 1000 persons on average. Blocks are the finest level of all and contain 85 persons on average. While a wide variety of population, housing, and economic characteristics are available for Tracts and Block Groups, in order to maintain confidentiality only limited population and housing data are published at the Block level.



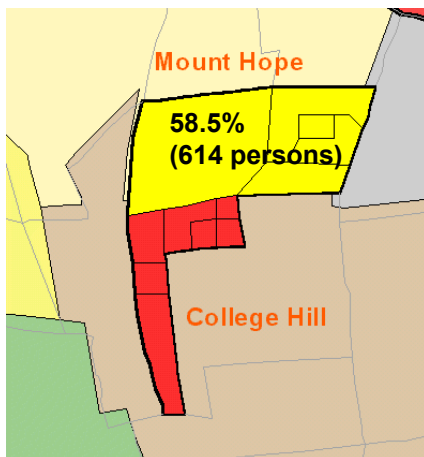
Neighborhoods with designated boundaries shown with streets.



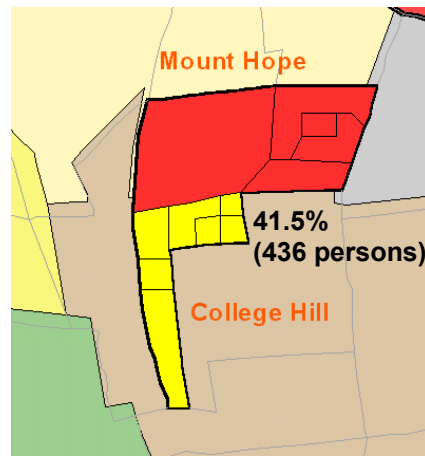
Note: All boundaries are approximate due to different data scales.



Block Group 031-3 is made up of 12 blocks, each containing basic population data.



Five blocks containing 614 White persons (58.5% of Block Group total) are on the Mount Hope side.



Seven blocks containing 436 White persons (41.5% of Block Group total) are on the College Hill side.

The number of Non-Hispanic White persons in Block Group 031-3 (1,024) is then **multiplied by each proportion** of the White population to impute a Non-Hispanic White figure to assign to each neighborhood. In this case, Mount Hope and College Hill were assigned 425 and 599 respectively.

Citywide, fifteen Block Groups straddling boundaries of fourteen neighborhoods received imputed figures for Non-Hispanic White population.