Appendix C: Population Pyramids

Population pyramids are an effective tool to graphically represent age-sex composition of a given geographical area. They are designed to provide a detailed picture of structure of a population, with age and sex group intervals represented as horizontal bars stacked on one another. Most commonly, the pyramids are represented in 5-year age intervals, with the oldest group being open ended (on top). Male population groups are presented on the left, and female groups are given on the right side of the graph. For the purpose of this report, pyramids are represented as absolute numbers, since these types of pyramids show differences in overall population numbers between age-sex groups and between different geographical areas. Since the size of population between different attendance zones, regions and the district as a whole varies significantly, the pyramids are represented at different scale groupings, varying from: very small (up to 400 per age-sex group); small; (up to 800 per age-sex group); medium-sized (up to 1,200 per age-sex group); large (up to 1,600 per age-sex group); and very-large (up to 2,000 per age-sex group). The scales for the regions as well as for the whole district are naturally larger and are adjusted accordingly.

The shapes of the pyramids, along with the magnitude of the scales, are powerful tool with which one can quickly gain insight into population dynamics of analyzed area. Various types of shapes offer demographers visual aids in determining possible underlying trends regarding not just the age-sex composition of the area, but also provide clues to population components of change (fertility, mortality and migration). They might also provide insight into possible type of housing, workforce, education level and presence of group quarters (such as correctional institutions, colleges, senior care facilities, etc.). All of these factors should be considered when analyzing population trends of a certain area and more importantly while trying to ascertain future trends that this area might experience.

With all of this in mind, one can consider a population pyramid as a demographic fingerprint of a certain area. Consider the pyramid below:

We can classify age groups into eight approximate categories (with an obvious note that 5-year age groups will not perfectly match school levels):

a) Ages 0-4 - Pre-K children;
b) Ages 5-9 - Elementary school children;
c) Ages 10-14 - Middle school children;
d) Ages: 15-19 - High school children;
e) Ages: 20-34 - Family formation/prime fertility;
f) Ages 35-54 - Households most likely to have school-aged children;
g) Ages 55-74 - Empty nesters; and
h) Ages 75 - Turnover households.

Using different kinds of typologies, we can classify DeKalb Public School District elementary attendance zones into 8 different types, as follows:

a) Multi-family - high SES (socioeconomic status): characterized by high proportion of population in their 20s and early 30s, most likely to be renting apartments. In addition, characterized by higher SES.

b) Multi-family - low SES: characterized by high proportion of population in their 20s and early 30s, most likely to be renting apartments. In addition, characterized by lower SES.

c) Young suburban: characterized by high proportions of population in their 30s and 40s, as well as young children (pre-K and elementary schoolers).
d) Old suburban: characterized by high proportions of population in their 40s and 50s, as well as older children (middle and high schoolers).

![Graphs showing population distribution in Princeton and Rock Chapel.]

3) Turnover: characterized by population in 50s and 60s, empty nest households more likely to sell the house and downsize.

![Graphs showing population distribution in Bob Mathis and Livsey.]

4) Mixed: characterized by mixed population of various ages and types of housing.

![Graphs showing population distribution in Midvale and Oak Grove.]

g) Group quarters: characterized by presence of one specific group of population that is living in either retirement homes, correctional facilities, army bases, student dorms, etc.

![Graphs showing population distribution in Canby Lane and Woodridge.]

![Graphs showing population distribution in Barack H. Obama, Ferndale, and Peachcrest.]

DEKALB COUNTY SCHOOL DISTRICT, GA
DEMOGRAPHIC STUDY

Ashford Park Elementary School Population – 2010 Census

Austin Elementary School Population – 2010 Census
Doraville United Elementary School Population – 2010 Census

Dresden Elementary School Population – 2010 Census
Avondale Elementary School Population – 2010 Census

Briar Vista Elementary School Population – 2010 Census
Hawthorne Elementary School Population – 2010 Census

Henderson Mill Elementary School Population – 2010 Census
 Idlewood Elementary School Population – 2010 Census

 Laurel Ridge Elementary School Population – 2010 Census

 Males | Females

 CropperGIS

 McKibbon Demographics

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 Revised: 26/02/2021
Midvale Elementary School Population – 2010 Census

Oak Grove Elementary School Population – 2010 Census
DEKALB COUNTY SCHOOL DISTRICT, GA
DEMOGRAPHIC STUDY

Pleasantdale Elementary School Population – 2010 Census

Sagamore Hills Elementary School Population – 2010 Census
Smoke Rise Elementary School Population – 2010 Census

Region 3 Total Population – 2010 Census
DEKALB COUNTY SCHOOL DISTRICT, GA
DEMOGRAPHIC STUDY

- Eldridge Miller Elementary School Population – 2010 Census
  - 0-4
  - 5-9
  - 10-14
  - 15-19
  - 20-24
  - 25-29
  - 30-34
  - 35-39
  - 40-44
  - 45-49
  - 50-54
  - 55-59
  - 60-64
  - 65-69
  - 70-74
  - 75-79
  - 80-84
  - 85+

  - 0-4
  - 5-9
  - 10-14
  - 15-19
  - 20-24
  - 25-29
  - 30-34
  - 35-39
  - 40-44
  - 45-49
  - 50-54
  - 55-59
  - 60-64
  - 65-69
  - 70-74
  - 75-79
  - 80-84
  - 85+

Males
Females

Revised: 26/02/2021
Hambricke Elementary School Population – 2010 Census

Indian Creek Elementary School Population – 2010 Census

-400 -300 -200 -100 0 100 200 300 400
Males Females

-800 -600 -400 -200 0 200 400 600 800
Males Females

Revised: 26/02/2021
Jolly Elementary School Population – 2010 Census

Rockbridge Elementary School Population – 2010 Census
Stone Mill Elementary School Population – 2010 Census

Stone Mountain Elementary School Population – 2010 Census
Region 5 Total Population – 2010 Census

Bob Mathis Elementary School Population – 2010 Census
Region 6 Total Population – 2010 Census

Canby Lane Elementary School Population – 2010 Census
Columbia Elementary School Population – 2010 Census

Snapfinger Elementary School Population – 2010 Census
Ronald E. McNair DLA Elementary School Population – 2010 Census

Oak View Elementary School Population – 2010 Census