

# Virginia Population Projections

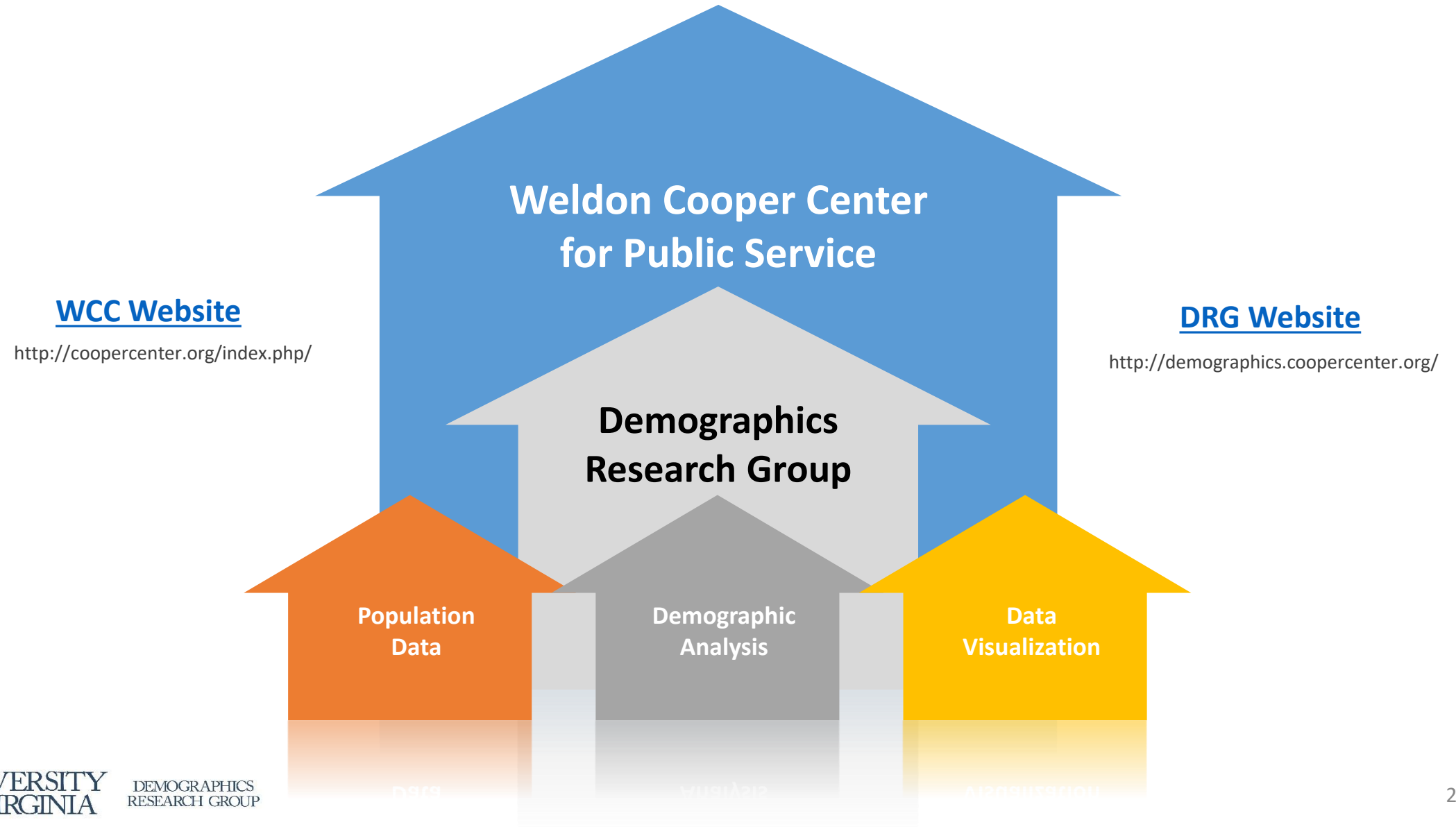
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Qian Cai & Shonel Sen

**Cooperative Forecasting and Data Subcommittee Meeting**

February 6, 2018

# Who We Are



# Population Projections

# Input Data

## 2000 Census

- Total
- By age
- By race and ethnicity

## 2010 Census

- Total
- By age
- By sex
- By race and ethnicity

## 2015 WCC

- Estimates

# Geographic Scope

95

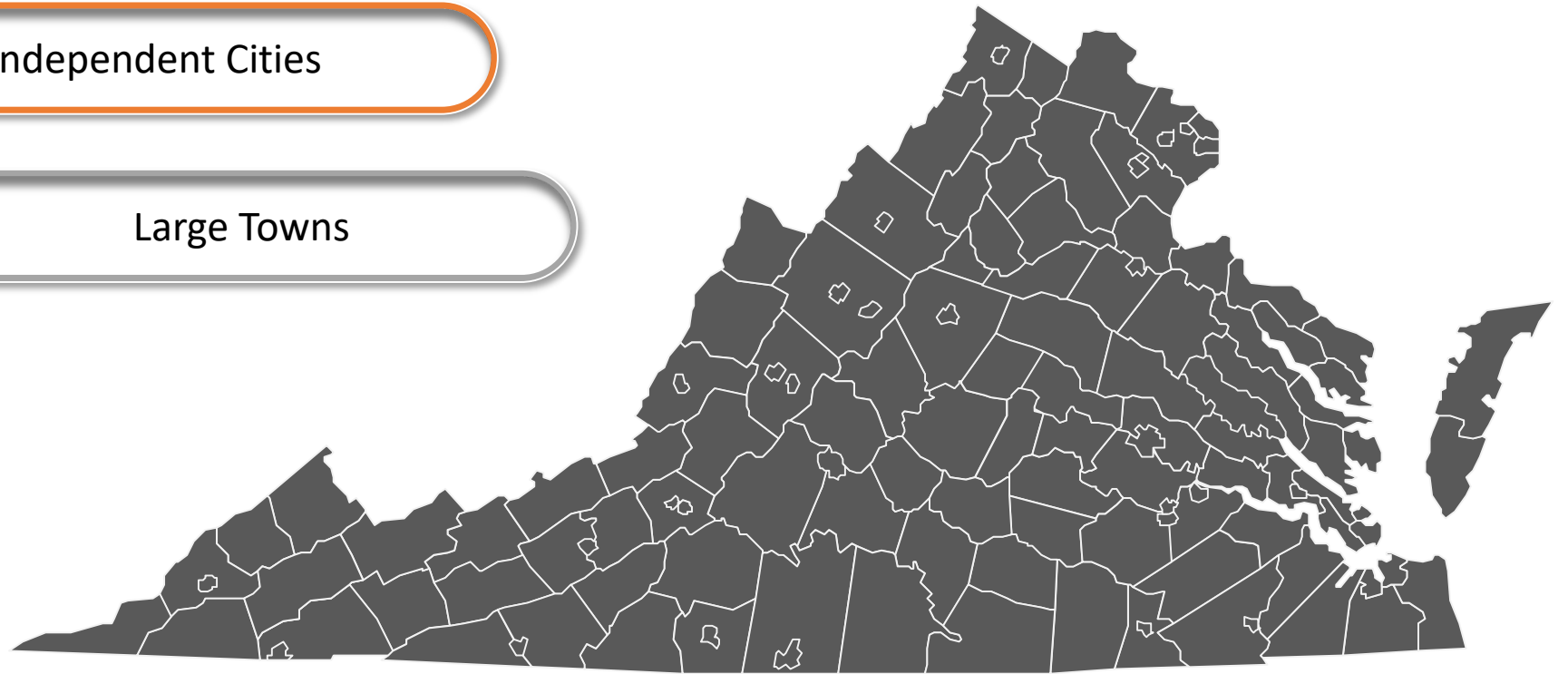
Counties

38

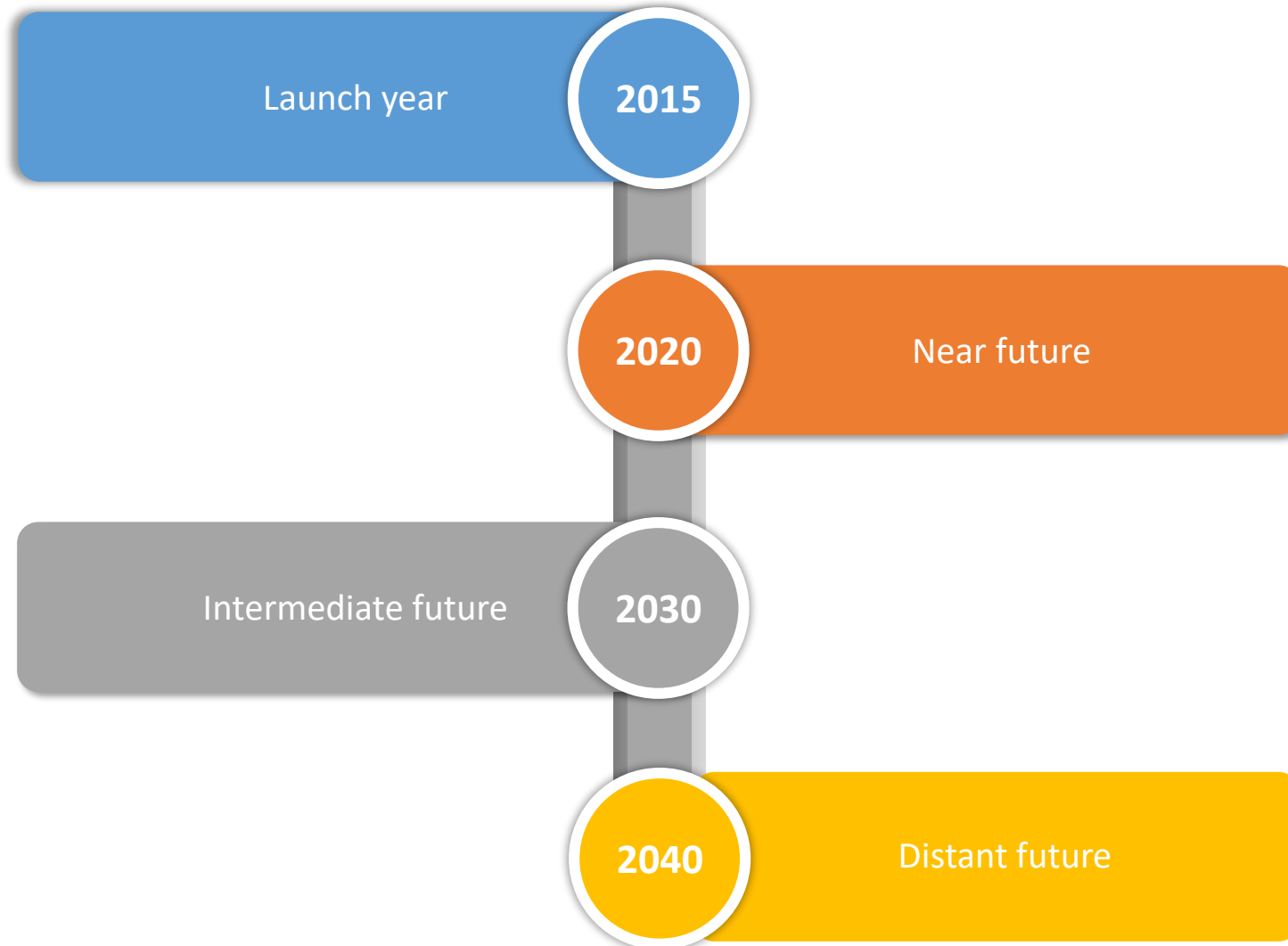
Independent Cities

25

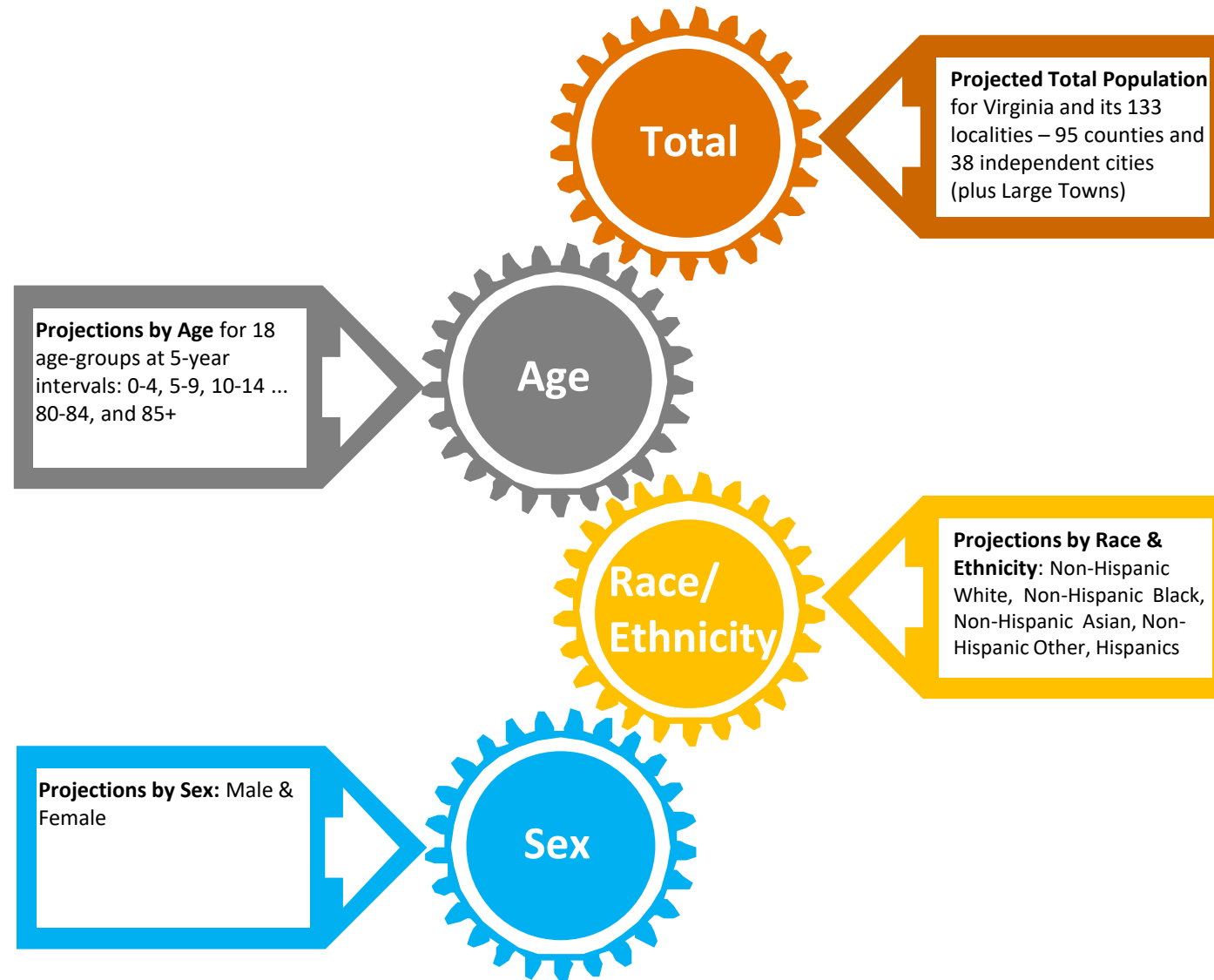
Large Towns



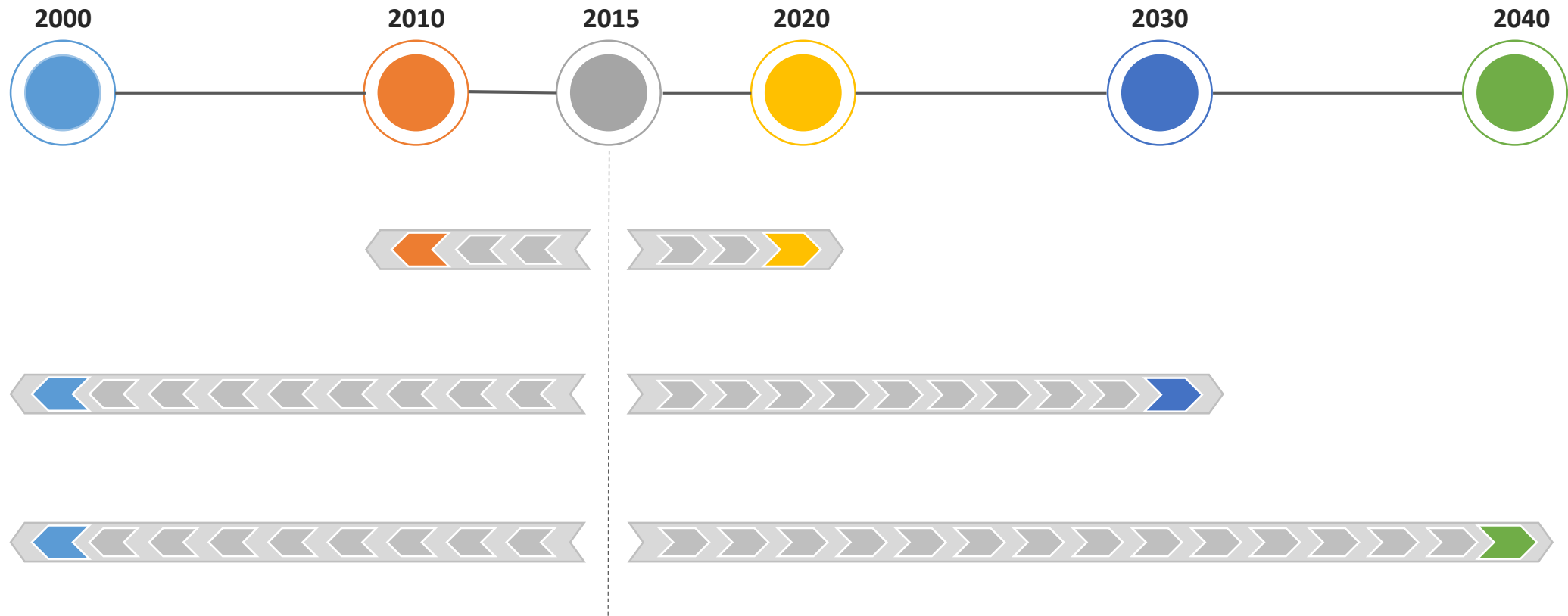
# Time Span



# Variables



# Base Period





# Methodology



**I**

**Projecting Total Population**

- 2020 Exponential
- 2030 & 2040 Linear Extrapolation



**II**

**Projecting Age & Sex**

- Hamilton-Perry Cohort Component Method (locality level)

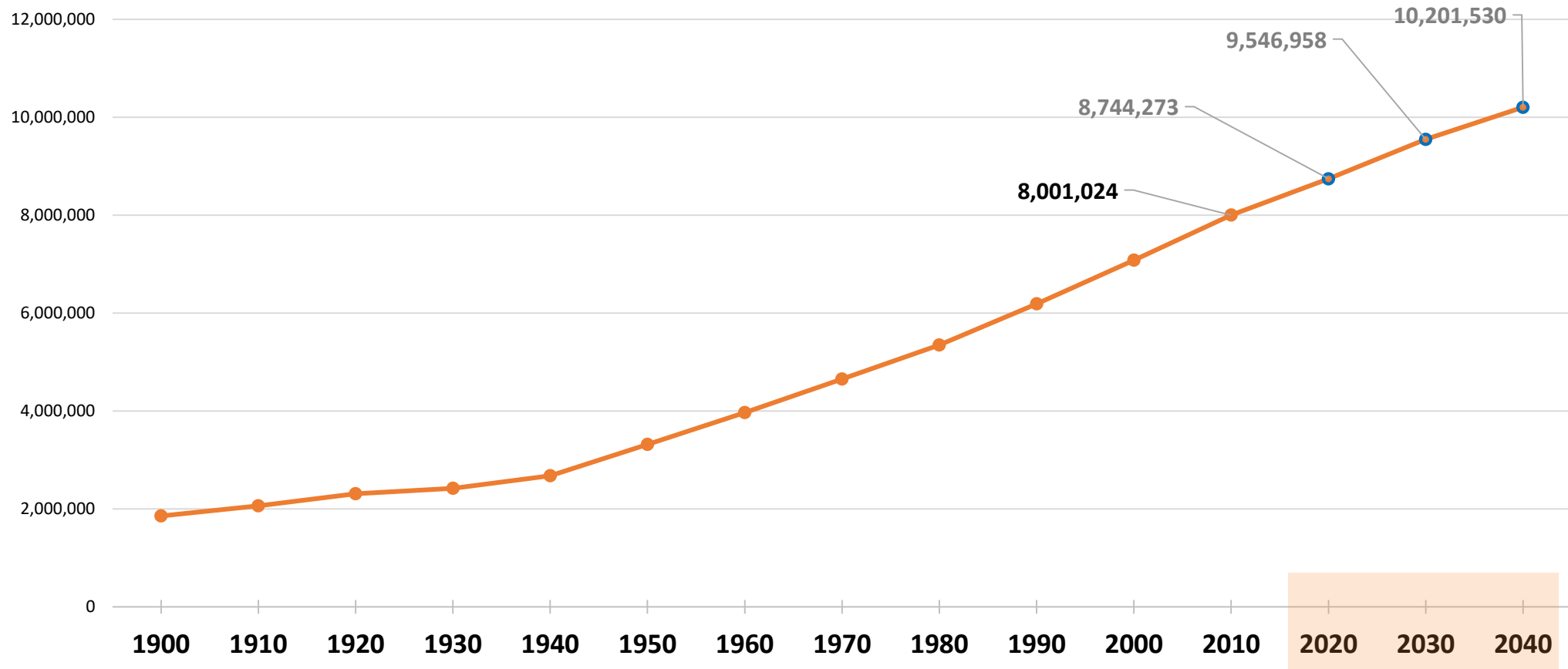


**III**

**Projecting Race & Ethnicity**

- Hamilton-Perry Cohort Component Method (regional level)

# Virginia's Population Size



# Virginia's Center of Population



# Contact information

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