**DATA INPUT TABLES:**

**POPEST (population, housing, household estimates):**

* 20xx\_controls

*M:\RES\estimates & forecast\CONCEP\inputs\control totals tables*

***Variables in yellow require data input***

* + popest\_year: year ID
  + city: city ID
  + pop: total population as reported by DOF
  + hhp: total household population (residual calculation)
  + gq: total GQ population as reported by DOF
  + gq\_civ: residual = gq – gq\_mil
  + gq\_mil: military GQ count from DOF “Exclusion and Dorm” report (can be summed from Landcore records before controlling)
  + civ\_college: college GQ count from DOF “Exclusion and Dorm” report (can be summed from Landcore records before controlling)
  + civ\_other: gq residual =gq\_civ – civ\_college
  + hs: total housing units = sum by structure types
  + hs\_sf: single family units (sum from Landcore, by city, after assigning LUDU by structure type)
  + hs\_sfmu: single family – multiple unit units (sum from Landcore, by city, after assigning LUDU by structure type)
  + hs\_mf: multi-family units (sum from Landcore, by city, after assigning LUDU by structure type)
  + hs\_mh: mobile homes (sum from Landcore, by city, after assigning LUDU by structure type)
  + hh: total housing units = sum by structure types
  + hh\_sf: single family households (estimated by applying occupancy rate to counts by structure type)
  + hh\_sfmu: single family – multiple households (estimated by applying occupancy rate to counts by structure type)
  + hh\_mf: multi-family households (estimated by applying occupancy rate to counts by structure type)
  + hh\_mh: mobile home households (estimated by applying occupancy rate to counts by structure type)
  + vac: vacancy rate (calculated from HS and HH)
  + vac\_sf: vacancy rate (calculated from HS and HH)
  + vac\_sfmu: vacancy rate (calculated from HS and HH)
  + vac\_mf: vacancy rate (calculated from HS and HH)
  + vac\_mh: vacancy rate (calculated from HS and HH)
  + hhs: household size = hhp / hh
* GQ\_by\_lckey\_raw

*Landcore (luduYYYY where YYYY = estimates year)*

* + popest\_year: year ID
  + lckey: geographic ID
  + lu: 4-digit land use code, for use in determining GQ types
  + mgra: geographic ID
  + gq: total GQ population
  + gq\_civ: residual = gq – gq\_mil
  + gq\_mil: military GQ count (*i.e. GQ on military or military barracks land uses*)
  + civ\_college: college GQ count (*i.e. GQ on college or college dorm land uses*)
  + civ\_other: gq residual =gq\_civ – civ\_college
* HS\_from\_landcore

*Landcore (luduYYYY where YYYY = estimates year)*

* + ludu\_year: year ID
  + lckey: geographic ID
  + lu: 4-digit land use code, for use in determining housing structure types
  + mgra: geographic ID
  + du: number of dwelling units on LCKEY
  + hs\_sf: single family (filled in by model, based on LU and dwelling unit count, after HS allocation routine runs)
  + hs\_sfmu: single family – multiple unit (filled in by model, based on LU and dwelling unit count, after HS allocation routine runs)
  + hs\_mf: multi-family (filled in by model, based on LU and dwelling unit count, after HS allocation routine runs)
  + hs\_mh: mobile home (filled in by model, based on LU and dwelling unit count, after HS allocation routine runs)
* Overrides\_popest\_HHS\_mgra (infrequently used)

*User-defined table, infrequently used*

* + Popest\_year: year ID
  + Ct: geographic identifier
  + Mgra: geographic identifier
  + Hhs\_override: mgra-level override for average household size (value must be >=1)
* Overrides\_popest\_vacancy\_mgra

*User-defined table, used only in cases where POPEST controlling results in unreasonable vacancy rates (e.g. to prevent low vacancy rates from occurring in neighborhoods with high % vacation rentals or seasonal occupancy or in newly developed neighborhoods)*

* + Popest\_year: year ID
  + Ct: geographic identifier
  + Mgra: geographic identifier
  + Vac\_sf\_override: single family vacancy rate override (values between 0 and 1)
  + Vac\_sfmu\_override: single family – multiple unit vacancy rate override (values between 0 and 1)
  + Vac\_mf\_override: multi-family vacancy rate override (values between 0 and 1)

**PASEE (Age/Sex/Ethnicity estimates):**

* Births\_zip

*M:\RES\estimates & forecast\CONCEP\inputs\VitalEvents*

* + birth\_year: year ID for year in which births occurred
  + zip: ZIP code, geographic ID
  + births: total # of births for the zip code
  + hm: Hispanic male births
  + nhwm: non-Hispanic White male births
  + nhbm: non-Hispanic Black male births
  + nhim: non-Hispanic American Indian male births
  + nham: non-Hispanic Asian male births
  + nhhm: non-Hispanic Hawaiian/pacific islander male births
  + nhom: non-Hispanic Other male births
  + nh2m: non-Hispanic 2 or more race male births
  + tm: total male births
  + hf: Hispanic female births
  + nhwf: non-Hispanic White female births
  + nhbf: non-Hispanic Black female births
  + nhif: non-Hispanic American Indian female births
  + nhaf: non-Hispanic Asian female births
  + nhhf: non-Hispanic Hawaiian/pacific islander female births
  + nhof: non-Hispanic Other female births
  + nh2f: non-Hispanic 2 or more race female births
  + tf: total female births
* Controls\_births\_deaths

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* + Estimates\_year – year for which vital events counts will be used (e.g. births occurring during CY 2011 are attributed to January 1, 2011 estimate)
  + Er – race/ethnic code
  + Bcm – civilian male births
  + Bcf – civilian female births
  + Dcm – civilian male deaths
  + Dcf – civilian female deaths
  + NOTE: Census years should include only 3/4ths of the year’s vital events in control totals tables, since Census count occurs on April 1, and births/deaths from Jan 1 – April 1 should be accounted for in Census
* Migration\_distribution

*Currently unused*

* Migration\_rates

*Generally only updated at each Census (once detailed non-military population data released)*

* + Estimates\_year: year ID
  + Ethnicity: ethnicity ID
  + Sex: sex ID (1 = male, 2 = female)
  + Age: single year of age
  + Rate: migration rate (% of each group moving in or out during the year)
* Pasee\_special\_pop\_tracts

*Need to double-check list after each Census to ensure any tract re-numbering has been addressed, otherwise this table remains static.*

* + Ct: tract ID (for tracts that have “special populations” including military bases, college dorms, and off-base military housing)
  + Base\_code: ???
  + SRA: Subregional Area ID
* Pop\_mil\_dep\_pct

*Generally only updated at each Census*

* + Base\_year
  + Ethnicity
  + Sex
  + Age
  + pct
* Pop\_mil\_pct

*Generally only updated at each Census*

* + Base\_year
  + Ethnicity
  + Sex
  + Age
  + pct
* Survival\_rates

*M:\RES\estimates & forecast\CONCEP\inputs\VitalEvents*

* + Year: year ID
  + Ethnicity: ethnicity ID
  + Sex: sex ID (1 = male, 2 = female)
  + Age: single year of age
  + Rate: survival rate (% of each group surviving into the next year)
* Survival\_rates\_roc

*Currently unused (all ROC set to 1)*

**HD (Household detail):**

* Controls\_popest\_HH\_region
  + popest\_year
  + HH1
  + HH2
  + HH3
  + HH4
  + HH5
  + HH6
  + HH7
  + HH
  + HHP
  + HHWC
  + HHWOC
  + HHWORKERS0
  + HHWORKERS1
  + HHWORKERS2
  + HHWORKERS3
* Error\_factors\_popest\_HHS\_CT
  + Ct
  + Hhs1\_erf
  + Hhs2\_erf
  + Hhs3\_erf
  + Hhs4\_erf
  + Hhs5\_erf
  + Hhs6\_erf
  + Hhs7\_erf
* Overrides\_popest\_HHSdetail
  + Ct
  + Hh1
  + Hh2
  + Hh3
  + Hh4
  + Hh5
  + Hh6
  + Hh7

**EstInc (income estimates):**

* Operational\_parameters\_income\_model
* Price\_index\_sd

**Daypop (daytime population estimates):**

* Daypop\_factors
* Daypop\_hotels
* Daypop\_pa
* Daypop\_unique\_generators