**Filename convention**

*<Scenario\_name>\_<Outcome>\_<Model>.csv*

**Valid entries**:

* Scenario\_name: HP01 - HP24, RL01 - RL08
* Outcome: {SymIllness, Hosp, Deaths, AntiviralTX}
* Model: {UVA, UTA, NEU, IMP, COL}

Example: HP09\_Hosp\_COL.csv

Expected number of files: 128 per model

**Data elements in each file**

* Agegroup
  + Valid: {0-4 yr, 5-17 yr, 18-49 yr, 50-64 yr, 65+ yr, Overall}
  + Required: {0-4 yr, 5-17 yr, 18-49 yr, 50-64 yr, 65+ yr, Overall}
* Location
  + Valid: {US National, HHS Region 1, …, HHS Region 10,

Alabama, Alaska, Arizona, Arkansas, California, Colorado, Connecticut, Delaware, Florida, Georgia, Hawaii, Idaho, Illinois, Indiana, Iowa, Kansas, Kentucky, Louisiana, Maine, Maryland, Massachusetts, Michigan, Minnesota, Mississippi, Missouri, Montana, Nebraska, Nevada, New Hampshire, New Jersey, New Mexico, New York, North Carolina, North Dakota, Ohio, Oklahoma, Oregon, Pennsylvania, Rhode Island, South Carolina, South Dakota, Tennessee, Texas, Utah, Vermont, Virginia, Washington, West Virginia, Wisconsin, Wyoming, District of Columbia, Puerto Rico, Virgin Islands}

* + Required: {US National}
* Bin :
  + Probablistic: {<*min>*-<*max*>}
    - SymIllness (as a percentage of population):
      * *min* = .1; *max* =19.9; increments of .1
    - Hosp (per 100000 persons):
      * *2009 scenarios (RLXX): min = .1; max* = 59.9; increments of .1
      * *Hypothetical (HPXX): min = .25; max* = 149.75; increments of 0.25
    - Deaths (per 100000 persons):
      * *2009 scenarios (RLXX): min = .01;*  *max* = 5.99; increments of .01
      * *Hypothetical (HPXX): min = .025; max* = 14.975; increments of 0.025
    - AntiviralTX (as a percentage of population):
      * *min = .01; max* = 3.99 ; increments of .01
  + Point: {sm.mean, sm.median, sm.perc2p5, sm.perc5 sm.perc25, sm.perc75, sm.perc95, sm.perc97p5 }
    - Mean, median and 2.5, 5, 25, 75, 95 and 97.5 percentiles
  + sm.peak
    - probability that peak occurs during a given week.
  + All bins are required
* Bin\_cml
  + Probablistic: {<*min>*-<*max*>}
    - SymIllness (as a percentage of population):
      * *min* = .2; *max* =39.9; increments of .2
    - Hosp (per 100000 persons):
      * *2009 scenarios (RLXX): min = 0.2; max* = 119.8; increments of 0.2
      * *Hypothetical (HPXX): min = 1; max* = 599; increments of 1
    - Deaths (per 100000 persons):
      * *2009 scenarios (RLXX): min = .02;*  *max* = 11.98; increments of .02
      * *Hypothetical (HPXX): min = .1; max* = 59.9; increments of 0.1
    - AntiviralTX (as a percentage of population):
      * *min = .02; max* = 7.98; increments of .02
  + Point: { sm.mean, sm.median, sm.perc2p5, sm.perc5 sm.perc25, sm.perc75, sm.perc95, sm.perc97p5 }
    - Mean, median and 2.5, 5, 25, 75, 95 and 97.5 percentiles
  + sm.peak
    - probability that peak occurs during a given week.
  + All bins are required
* Week1 (MMWR week 27 for RL (2009) scenarios and MMWR week 36 for HP scenarios)
  + Valid: if Bin *not in* {sm.mean, sm.median, sm.perc2p5, sm.perc5 sm.perc25, sm.perc75, sm.perc95, sm.perc97p5}, then [0, 1]
* Week2
* …
* Week52
* Peak.Magnitude
* Cml
  + Cumulative rate over the entire pandemic

Projections for non-required locations, should be in a separate file. The location name (with space removed) should suffix the file name as defined above. For example, HP09\_Hosp\_*Texas*; HP09\_Hosp\_*NorthCarolina*

**Note:**

In each file, for each Agegroup-Location combination,

* + the probabilities assigned to *non-sm.\** bins should sum to 1 for each of *Week1*, … *Week52, Peak.Magnitude* and *Cml*
  + the probabilities assigned to *sm.peak* across weeks *Week1*, … *Week52* should sum to 1



**Figure 1**. Schematic for the probabilistic and point estimate matrix for each location-age combination.