

# FSP Demographic Dashboard Methodology

Update Date: 8/13/2020

## FSP Demographic Dashboard:

The Full Service Partnership (FSP) Demographic Dashboard provides an overview of persons enrolled in an active FSP by fiscal year. A person is counted as being enrolled in an active FSP during a fiscal year if their FSP start and end dates contain one or more days during that fiscal year.

The dashboard contains three sections: (1) an overview section that looks at aggregated data for all FSP clients by fiscal year, (2) a regional section that looks at aggregated data by for FSP clients by age group, region, fiscal year and demographic category, and (3) a regional section that looks at aggregated data by for FSP clients by age group, county, fiscal year and demographic category. Data is presented for the percentage of the total population represented by the chosen demographic category. Users can hover over an individual bar to see the person count and a time-series line graph for that particular category.

## Methodology:

### Base Dataset

County submitted data from the Full Service Partnership (FSP) Data Collection Reporting (DCR) tool is used for this dashboard. The data is acquired by MHSOAC via a download from the Department of Health Care Services (DHCS). The DCR contains unique combination of one row per combination of person and county program, this is referred to as a Partnership (also referenced as Partner in some reports). The tool contains a start date for the Partnership (PartnershipDate) and a change date for the Partnership (PartnershipStatusChange Date). Cases where the partnership has ended will have a status code = 2 and the change date will be the date the termination occurred. Still active Partnerships will have a status code = 1 and the change date will be NULL.

This single row table is used to create a yearly (fiscal year) table that contains one row per partnership per year. A Partnership has a row for a fiscal year if it was active for one or more days during the year. An individual person id (Universal\_ID) is calculated by MHSOAC to link different partnerships that belong to the same person. This is calculated using a linkage methodology originally developed by MH Data for MHSOAC, though some changes have been made in later program iterations.

The DCR does not collect any demographic data other than birth date, therefore the demographic data in this dashboard is based on data reported in the Client Services Information (CSI) tool also obtained from DHCS. In order to get demographic data a Partnership must have a valid CSI Client ID (Client\_ID) number. All Partnership clients should be in the CSI data, however not all Partnerships have a valid CSI number in the file. MHSOAC analysis finds that 91% of Partnerships in the DCR have a seemingly valid CSI number. This leaves 9% of the data for whom we have no demographic data other than age.

MHSOAC base DCR and CSI are updated every six months via a feed from DHCS. Dashboards will be updated based on the new feed each time in full. This may create some subtle changes in numbers for all fiscal years, not just the most recent ones if there were data changes at DHCS related to those years.

## Data Aggregation

Aggregates are presented for demographic related data categories: (1) Race/Ethnicity, (2) Sex, (3) Language, (4) Birth Place, (5) Reported Trauma. Presentation is related to the percentage of the total FSP population in the chosen group in each category. In addition to Demographic Category, data is aggregated, and can be view by, various combinations of Fiscal Year, Area/County, and Age Group. Data is presented in three dashboards reachable by buttons: (1) [Overview](#), (2) [Region](#), and (3) [County](#). A fourth button, [Export PDF](#) exports the visible dashboard to a PDF file.

## Reporting Categories

The [Overview](#) button contains statewide data and provides total counts of partnerships and persons and two figures related to person level data, a bar chart that shows statewide percentages by age group and a map that shows the total FSP population in each county.

The [Region](#) button contains data by five California regions defined in previous MHSOAC reporting. See the grid below for regional definitions. The user chooses a combination of demographic items and a bar chart shows the percentage breakdown for those choices. Individual level time series data can be found by hovering over a bar in the chart.

## FSP Regions

Region	County List
Bay Area Counties	Alameda, Berkeley City, Contra Costa, Marin, Monterey, Napa, San Benito, San Francisco, San Mateo, Santa Clara, Santa Cruz, Solano, Sonoma
Central Counties	Alpine, Amador, Calaveras, El Dorado, Fresno, Inyo, Kings, Madera, Mariposa, Merced, Mono, Placer, Sacramento, San Joaquin, Stanislaus, Sutter/Yuba, Tulare, Tuolumne, Yolo
Los Angeles Region	Los Angeles
Southern Counties	Imperial, Kern, Orange, Riverside, San Bernardino, San Diego, San Luis Obispo, Santa Barbara, Tri-City, Ventura
Superior Counties	Butte, Colusa, Del Norte, Glenn, Humboldt, Lake, Lassen, Mendocino, Modoc, Nevada, Plumas, Shasta, Sierra, Siskiyou, Tehama, Trinity

The [County](#) button contains data by California county. It also includes a “California” total and data for Berkeley City and Tri-City. Sutter and Yuba county are also combined in FSP reporting. Like the Region button, the user chooses a combination of demographic items and a bar chart shows the percentage breakdown for those choices. Individual level time series data can be found by hovering over a bar in the chart.

The [Export PDF](#) button exports whatever window the user is on to a PDF, providing a more usable format than print screen to download the charts.

## Selection Categories

### Year

Data is available from FY 2010-11 through the most recently available fiscal year. New data will be added roughly one year after fiscal year end, depending on when data is received from DHCS.

### Area/Region/County

Data is reported for the county where the partner is enrolled in an FSP. County data is aggregated to a Regional level based on the grid above.

## Demographic

Five different Demographic Categories are available:

1. **Race/Ethnicity** – 7 race categories are presented based on self-reported race in the CSI:

American Indian/Alaska Native

Asian/Pacific Islander

Black/African American

Latino/a

White/Caucasian

Multiracial

Other

Unknown

The race category is calculated using the self-reported Eth\_A\_Code, Eth\_B\_Code, Race1 and Race2 variables and the CSI\_HISP\_IND flag in the CSI client file.

The value is calculated using the following set of rules:

- a. If a partner ever self-reported American Indian or Alaska Native then the partner is flagged as American Indian or Alaska Native.
- b. Else if a partner ever self-reported as “Hispanic” in Eth\_A\_Code or Eth\_B\_Code or has a CSI\_HISPANIC\_IND = ‘Y’ then the partner is flagged as Latino.
- c. Else if a client has different non-null/unknown values in more than one of Eth\_A\_Code, Eth\_B\_Code, Race1 and Race2 they are flagged as “Multiracial”.
- d. Otherwise the value is flagged as reported.

For unique person level reporting predefined race categories at the partner level go through the process outlined above.

2. **Sex** – Sex is reported as Male, Female, or Unknown based on self-reported CSI client file data.
3. **Language** – The language column is based on the primary language field reported in the CSI client file. We currently report data based on English, Spanish, and Other. This is done because the count of languages in the “Other” category represent very small numbers. A more detailed variable is under development.
4. **Place of Birth** – Place of Birth is calculated from the COUNTRY\_NAME and the STATE\_NAME variables self-reported in the CSI client file. Reported groups are California Born, Other US State Born, Foreign Born, Unknown.

5. **Trauma** – The trauma column is calculated based on the Yes/No Trauma Flag reported in the CSI Service Fact table. This is a broad measure based on a Trauma ever being reported in the CSI data. The trauma could have happened before or during the partners enrollment period.

## **Age Group**

Age is calculated based on the Partner's age as of the first day of the fiscal year (July 1). The age groups presented are based on the age categories reported in the DCR (a "Total" value is also presented):

Children 0-15

Transitional Age Youth (TAY) 16=25

Adult 26-59

Older Adult 60 Plus

## **Data Suppression**

Any cell with a count of less than 11 will be suppressed any MHSOAC Dashboard. Cells with no data in the raw data will have a value of 0 in the dashboard. If only a single cell in a demographic group has a count less than 11 then the next lowest cell, or 0 count cell, will also be suppressed. The algorithm searches for a 0 count cell first to suppress and then moves to the next lowest cell size for suppression. This is done so that the suppressed cell value cannot be backed into using the remaining data.

## **Base Dataset as of Date**

MHSOAC receives updated data from DHCS every six months. Our most recent update is as of 7/7/2020.