



CY2020 Population Health Training: Using Population Health Data to Enhance Service Delivery Models

February 10, 2022

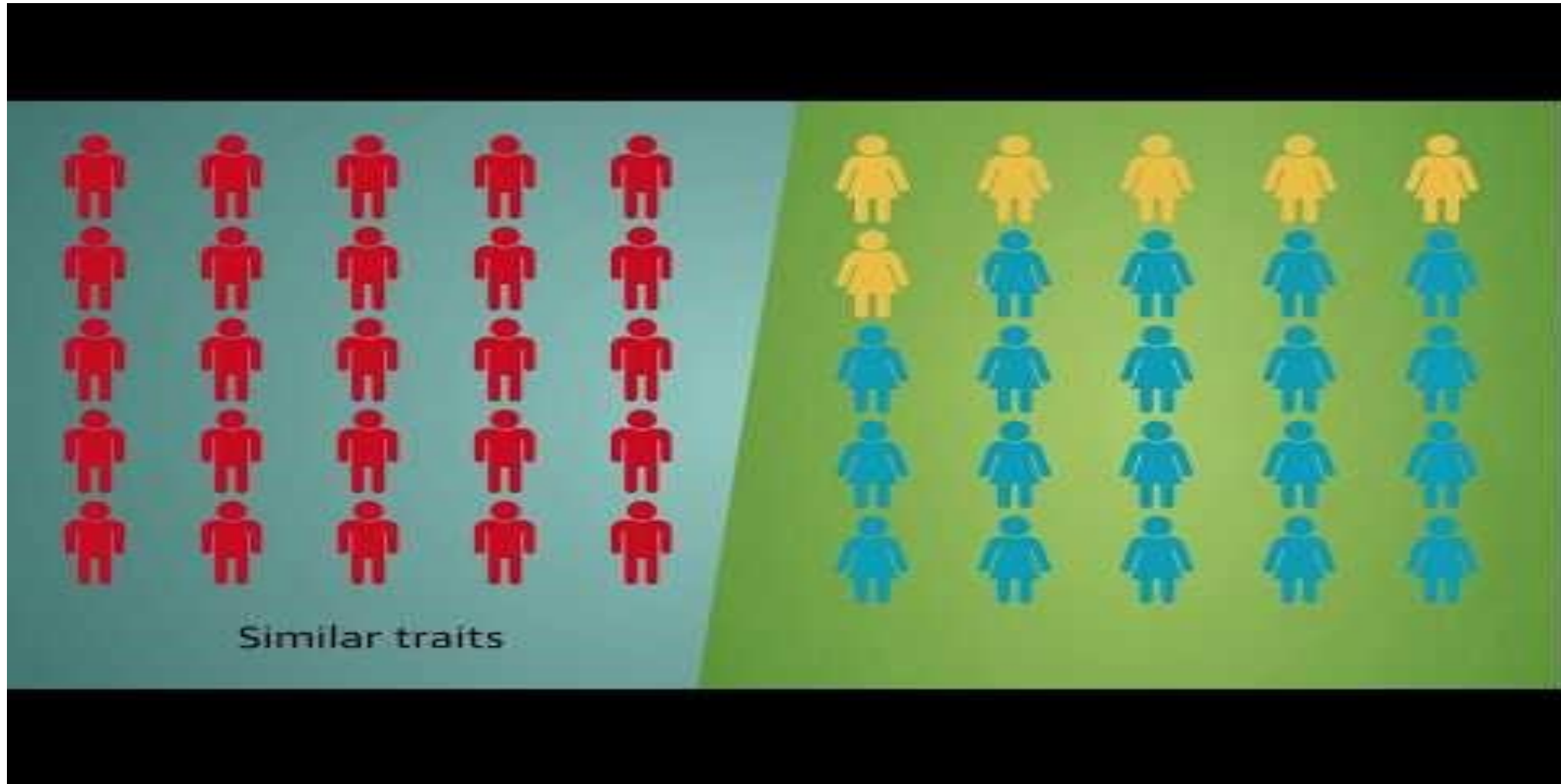
Meeting Objectives

In today's meeting we will:

1. Discuss population health management
2. Examine how CT BHH population diagnoses rates compare to the CT adult Medicaid population rates
3. Share ideas around how population health data can be used
4. Identify agency-specific unique characteristics



Why Population Health?



<https://www.youtube.com/watch?v=vgMDIryGDJ4&t=114s>

CT BHH Initiative & Population Health

- Designated BHH Providers are a good fit for population health strategies because:
 - Individuals eligible for BHH are unique
 - High Medicaid spend, co-morbidities, SPMI, etc.
 - Tableau® reports provide insightful information on population AND individual needs
 - CHN Gaps in Care Report, Pop health Files, CMS outcomes, etc.
 - Providers have existing relationships with community organizations and are aware of community resources
 - Hospitals, housing/homelessness prevention resources, etc.



Demographic Comparison Between BHH and CT Medicaid

Total BHH Profile

Total BHH Enrollees : **7,217**

Chronic Comorbid Disorders (BH & Med): 87.7%	Hypertension Rate	43.0%
	Hyperlipidemia	35.0%
	Diabetes Rate	28.8%
	Obesity Rate	24.6%

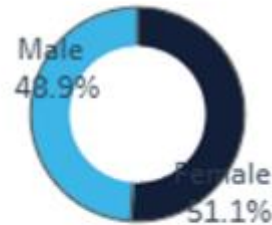
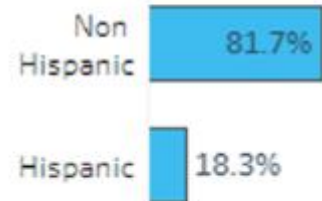
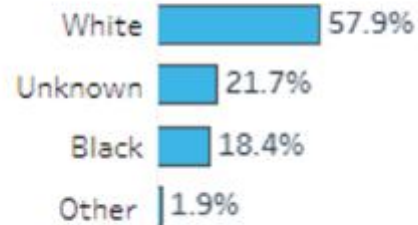


7.1%
were
Homeless



Lives in Rural Area

4.2%



Average Cost
Per Member:
\$35,631

Total Dental Cost	\$1,005,959
Total Pharmacy Cost	\$55,310,290
Total Medical Claims Cost	\$66,724,345
Total Behavioral Health Cost	\$134,647,924
Total Member Cost	\$257,688,517

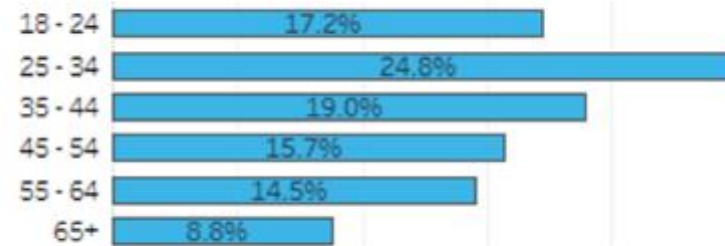
Total Adult CT Medicaid Profile

Total CT Medicaid : **643,637**

Chronic Comorbid Disorders (BH & Med): 28.5%	Hypertension Rate	20.5%
	Hyperlipidemia	15.3%
	Diabetes Rate	11.1%
	Obesity Rate	11.6%

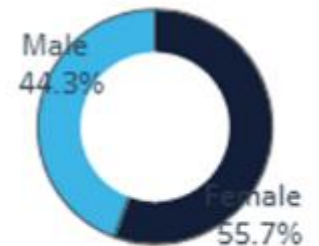
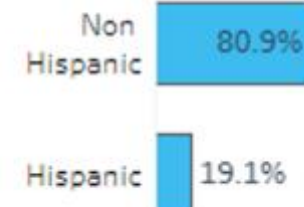
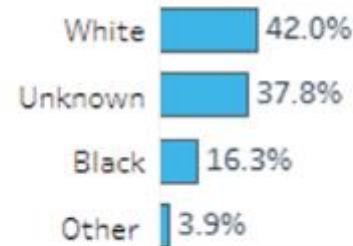


2.2%
were
Homeless



Lives in Rural Area

6.1%



Average Cost
Per Member:
\$11,140

Total Dental Cost	\$63,492,363
Total Pharmacy Cost	\$1,319,171,603
Total Medical Claims Cost	\$3,536,609,273
Total Behavioral Health Cost	\$2,250,857,740
Total Member Cost	\$7,170,130,978

Service Utilization Comparison Between BHH and CT Medicaid

Emergency Department Utilization: 57.0%



Medical ED: 41.2%

Behavioral Health ED: 35.7%

Inpatient Utilization: 26.8%



Psychiatric Inpatient: 12.2%

Medical Inpatient: 14.2%

Detox Inpatient: 3.4%

Other Utilization:



Mobile Crisis Services: 9.7%

Observation Services: 3.0%

Telehealth Services: 88.7%

Substance Use Services: 29.2%

PHP Services: 2.6%

IOP Services: 7.7%

Covid Diagnosis
5.4%

Emergency Department Utilization: 32.1%



Medical ED: 28.0%

Behavioral Health ED: 8.8%

Inpatient Utilization: 10.9%



Psychiatric Inpatient: 1.4%

Medical Inpatient: 8.8%

Detox Inpatient: 1.3%

Other Utilization:



Mobile Crisis Services: 0.5%

Observation Services: 0.5%

Telehealth Services: 44.8%

Substance Use Services: 10.3%

PHP Services: 0.4%

IOP Services: 1.8%

Covid Diagnosis
5.2%



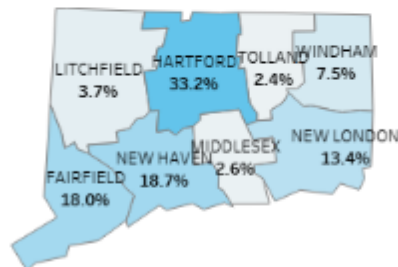
What do you think are some of the differences between the 18-24 year old BHH participants and the general BHH population?

Directions: Use drop down filter in the top right corner to filter by any BHH Provider. Choose "All" button to see rates for total BHH population. Click on any Bar Graph and/or Shaded Box to filter information. To unfilter, click on bar or box again. To clear all filters at once use the Revert button on top bar above tabs. Hover over any data point to get the unique count of enrollees and other pertinent information.

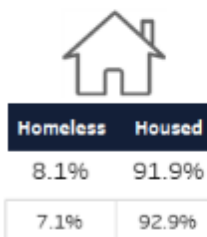
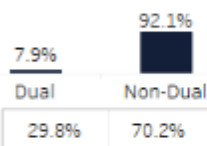
Unique Count of Enrollees

455

BHH Enrollment by County

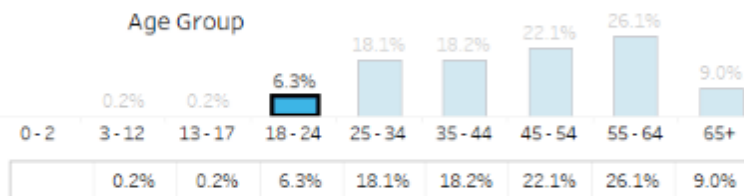


Rural Area
5.9%
(4.2%)

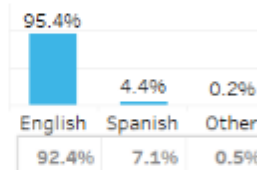


Adult
100.0%

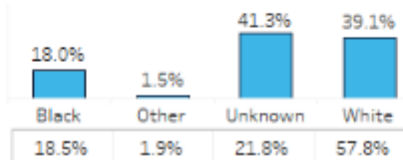
Age Group



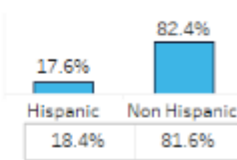
Primary Language



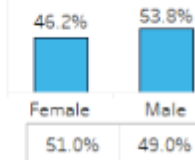
Race



Hispanic Ethnicity



Gender



Diagnostic Rates

Comorbid Disorders (BH & Med): 96.5% (96.5%)	Co-occurring Disorders (MH & SUD): 48.1% (53.2%)	Social Determinates of Health: 6.4% (5.4%)
Chronic Comorbid Disorders (BH & Med): 73.8% (87.5%)	Chronic Co-occurring Disorders (MH & SUD): 45.3% (51.4%)	Covid Diagnosis 3.7% (5.4%)

Pick Diagnosis in Drop Down Box then Click on Rate to Filter Dashboard

Mental Health Diagnosis Schizophrenia and Other Psychotic Disorder	Schizophrenia and Other Psychotic Disorder	44.4%
Medical Diagnosis Diabetes	Diabetes	8.6%
Substance Use Diagnosis Nicotine Related Disorder	Nicotine Related Disorder	24.2%

Medication Rates

Methadone: 1.3% (4.4%)	Suboxone/ Buprenorphine: 2.0% (4.8%)
Vivitrol/ Naltrexone: 3.1% (4.3%)	Sedative/Hypnotics/ Benzodiazepine: 12.3% (22.1%)
Alcohol Deterrent: 0.9% (1.8%)	Opioid Prescription: 8.1% (16.0%)
Opioid Poisoning/ Overdose: 1.5% (1.5%)	

Service Utilization

Emergency Department Utilization:



Total ED:	59.8% (56.9%)
Medical ED:	38.9% (41.1%)
Behavioral Health ED:	43.5% (35.7%)

Inpatient Utilization:



Total Inpatient:	26.4% (26.8%)
Detox Inpatient:	1.1% (3.3%)
Psychiatric Inpatient:	18.5% (12.2%)
Medical Inpatient:	7.0% (14.2%)

Other Services:

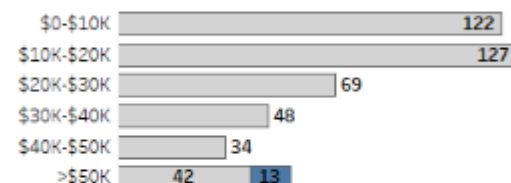


Mobile Crisis Services:	15.8% (9.7%)
Observation Services:	4.0% (3.0%)
Telehealth Services:	90.1% (88.7%)
Total SUD Services:	20.0% (29.1%)
PHP Services:	4.0% (2.7%)
IOP Services:	10.8% (7.7%)

Annual Spend

Average Cost Per Member: **\$28,602**
(\$35,631)

Total Annual Spend | Over \$100K



Total Annual Spend by Category

Total Dental Cost	\$80,571
Total Pharmacy Cost	\$2,487,196
Total Medical Claims Cost	\$1,417,274
Total Behavioral Health Cost	\$9,028,916
Total Member Cost	\$13,013,956



The Best Mental Health Apps of 2022

List from [verywellmind.com](https://www.verywellmind.com)

Best Overall: [Moodfit](#)

Best for Stress Relief: [Sanvello](#)

Best Fun App: [Happify](#)

Best for Depression: [Depression CBT Self-Help Guide](#)

Best for Bipolar Disorder: [eMoods](#)

Best for Symptom Tracking: [Bearable](#)



What do you think are some of the differences between the BHH participants with both diabetes & schizophrenia diagnoses and the general BHH population?

Behavioral Health Home Population Profile CY 2020



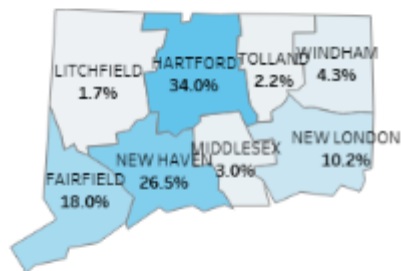
BHH Provider
All

Directions: Use drop down filter in the top right corner to filter by any BHH Provider. Choose "All" button to see rates for total BHH population. Click on any Bar Graph and/or Shaded Box to filter information. To unfilter, click on bar or box again. To clear all filters at once use the Revert button on top bar above tabs. Hover over any data point to get the unique count of enrollees and other pertinent information.

Unique Count of Enrollees

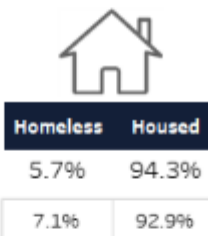
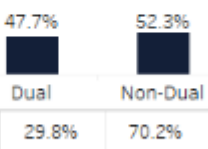
1,171

BHH Enrollment by County



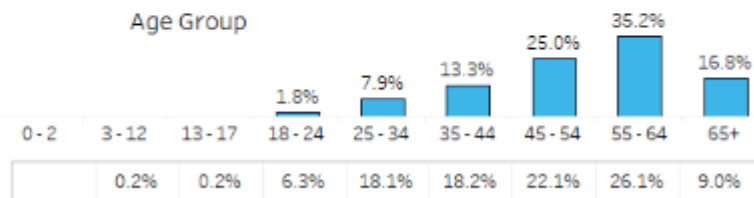
© OpenStreetMap

Rural Area
3.3%
(4.2%)

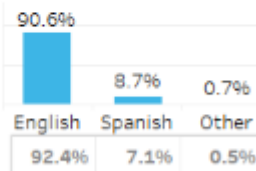


Adult
100.0%

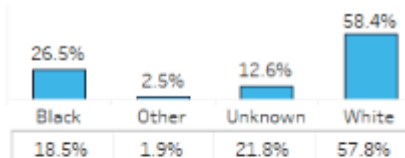
Age Group



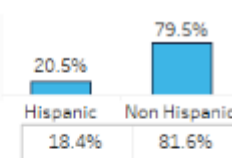
Primary Language



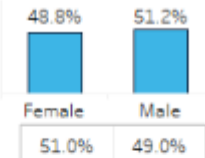
Race



Hispanic Ethnicity



Gender



Diagnostic Rates

Comorbid Disorders (BH & Med): 100.0% (96.5%)	Co-occurring Disorders (MH & SUD): 40.4% (53.2%)	Social Determinates of Health: 6.0% (5.4%)
Chronic Comorbid Disorders (BH & Med): 100.0% (87.5%)	Chronic Co-occurring Disorders (MH & SUD): 38.8% (51.4%)	Covid Diagnosis 9.2% (5.4%)

Pick Diagnosis in Drop Down Box then Click on Rate to Filter Dashboard

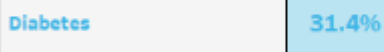
Mental Health Diagnosis

Schizophrenia and Other Psychotic Disorder



Medical Diagnosis

Diabetes



Substance Use Diagnosis

Nicotine Related Disorder



Medication Rates

Methadone: 1.6% (4.4%)
Suboxone / Buprenorphine: 1.3% (4.8%)
Vivitrol/ Naltrexone: 3.3% (4.3%)
Sedative/Hypnotics/ Benzodiazepine: 18.4% (22.1%)
Alcohol Deterrent: 0.7% (1.8%)
Opioid Prescription: 11.5% (16.0%)
Opioid Poisoning/ Overdose: 1.0% (1.5%)

Service Utilization

Emergency Department Utilization:



Total ED:	63.7% (56.9%)
Medical ED:	48.9% (41.1%)
Behavioral Health ED:	40.4% (35.7%)

Inpatient Utilization:



Total Inpatient:	36.5% (26.8%)
Detox Inpatient:	1.8% (3.3%)
Psychiatric Inpatient:	18.4% (12.2%)
Medical Inpatient:	21.5% (14.2%)

Other Services:

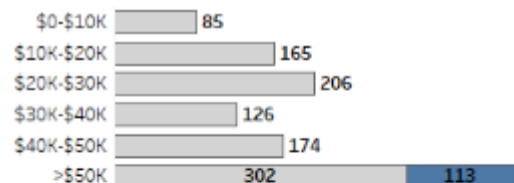


Mobile Crisis Services:	12.0% (9.7%)
Observation Services:	4.4% (3.0%)
Telehealth Services:	88.0% (88.7%)
Total SUD Services:	17.7% (29.1%)
PHP Services:	1.9% (2.7%)
IOP Services:	4.7% (7.7%)

Annual Spend

Average Cost Per Member: **\$51,020**
(35,631)

Total Annual Spend | Over \$100K



Total Annual Spend by Category

Total Dental Cost	\$141,660
Total Pharmacy Cost	\$11,348,159
Total Medical Claims Cost	\$15,581,914
Total Behavioral Health Cost	\$32,672,533
Total Member Cost	\$59,744,266

Agency-Specific Population Characteristics

Each provider will share one unique characteristic of their BHH population



Reflect on the following questions to discuss during the March BHH check-in:

1. Who are key players that should be included in population health conversations?
2. How can the unique characteristic be used to enhance or improve services and/or engagement?
3. How can data be used to provide more preventative and proactive services?
4. Is there a need for materials in languages other than English?

Meeting Evaluation

https://www.surveymonkey.com/r/BHH_PopHealthMgmt2022

