

Multnomah County Behavioral Health Services Funding Analysis

Draft Memorandum August 21, 2020

1. Introduction and Purpose

In 2018, The Human Services Research Institute (HSRI) completed a [systems analysis](#) of how mental health services are provided in Multnomah County. The effort aimed to support the county in ensuring a 21st century mental health system driven by quality and scientific merit, efficient in coordinating service provision across agencies, and focused on outcomes leading to recovery with minimal barriers to access. This analysis, conducted by the HSRI for Multnomah County, extends the 2018 work and provides a comprehensive picture of how funding for behavioral health services flows through the County's publicly funded behavioral health system. The findings presented here are designed to inform system improvement activities by providing information that can be used to explore system gaps and inefficiencies along with system assets and efficiencies.

The funding data presented in this memo are from state fiscal year 2019, spanning July 1, 2019 to June 30, 2010. For the purpose of this analysis, the terms "funding" and "expenditures" are used interchangeably. Although the terms have different meanings in an actuarial sense, the purpose of this analysis is to provide a picture of the overall spending on behavioral health services in Multnomah County, therefore we do not differentiate between dollars budgeted and expended. Unless otherwise noted, the cost figures presented are for expenditures, though when noted they are budgeted amounts.

This analysis focuses on the publicly funded system – including Medicaid-funded services and those available to people who are uninsured or underinsured. It does not include behavioral health services funded through private insurance or Medicare. Additional information on the data sources and methods used for this analysis can be found in Appendix A.

2. Overview of Behavioral Health Services Funding

A total of **\$608,017,824** was spent on behavioral health services in Multnomah County in SFY2019. These expenditures were made by nine different entities that administer the funding sources by managing the costs, utilization, and quality of behavioral health services.

Exhibit 1 displays the funding sources for behavioral health in state fiscal year 2019. Medicaid funding, which is a mix of federal and state dollars, accounted for 82% of the total. The remaining portion was funded by Multnomah County or local resources (9%), other state funding (6%), other federal funding (3%) or other sources such as foundations or grants (<1%).

Exhibit 2 displays details about the funding sources of each entity administering publicly funded behavioral health services in Multnomah County. Health Share of Oregon administers the

largest total share of behavioral health services (79%), and the Multnomah County Health Department, which includes the Mental Health and Addiction Services Division (MHASD), administers 15% of the total behavioral health service funds. The remaining 6% of behavioral health expenditures were administered by the Department of County Human Services (Division of Aging, Disability and Veterans Services, and Youth and Family Services), the Department of Community Justice (Community Corrections), the Joint Office of Homeless Services (JOHS), the Department of Housing and Urban Development (HUD) Continuum of Care, the Portland Police Bureau, and a grant program, the MacArthur Safety & Justice Challenge.

Exhibit 3 depicts the flow of funding (on the left) and expenditures (on the right). The width of the band is proportional to the size of the funding/expenditure. Because Medicaid accounts for a large share of the funding for behavioral health services, it was necessary to divide the Medicaid funding by the state and federal shares of 39% (state) and 61% (federal) based on the Federal Medical Assistance Percentage (FMAP) rates for fiscal year 2019.

Exhibit 4 provides information about the proportion of behavioral health services funding by service type. Finally, Exhibits 5 and 6 break down expenditures by service category for youth (\$100,745,576) and adults (\$506,099,163) in instances when this information could be disaggregated. The service type categories are depicted in more details in sections to follow, and a detailed account of the service groupings used for this analysis can be found in Appendix A.

Exhibit 1. Behavioral Health Services Funding, by Source, SFY19

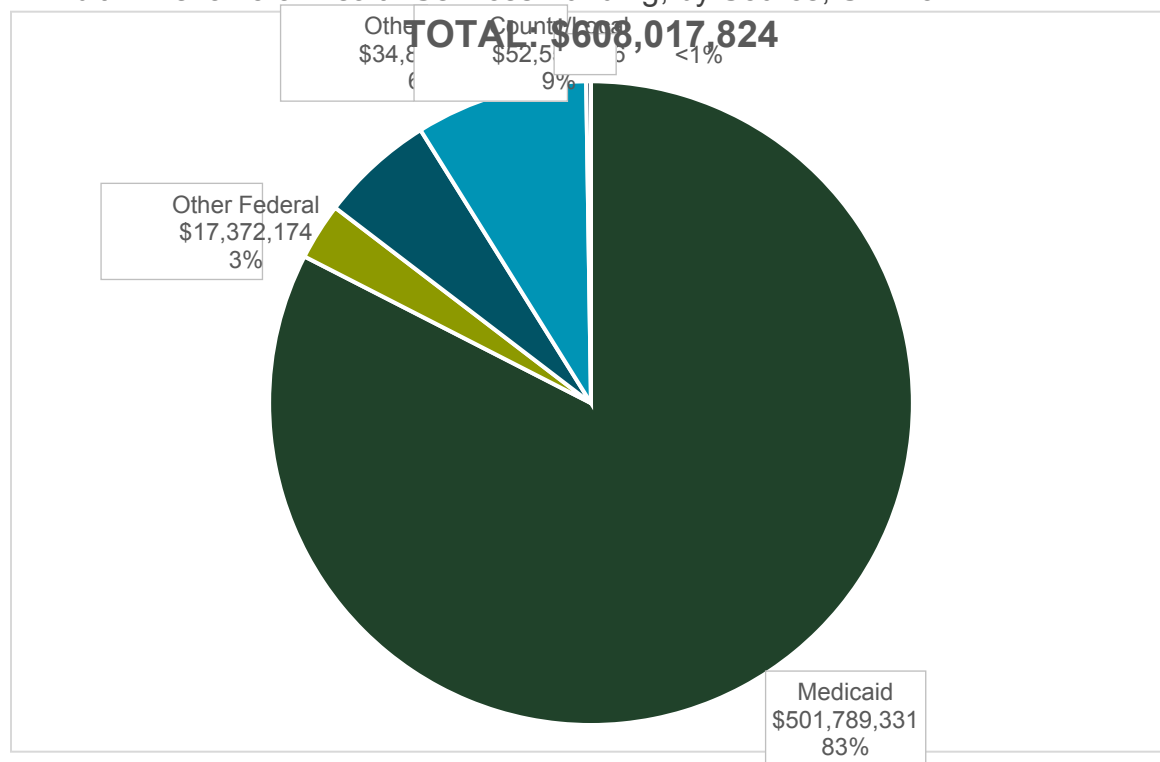
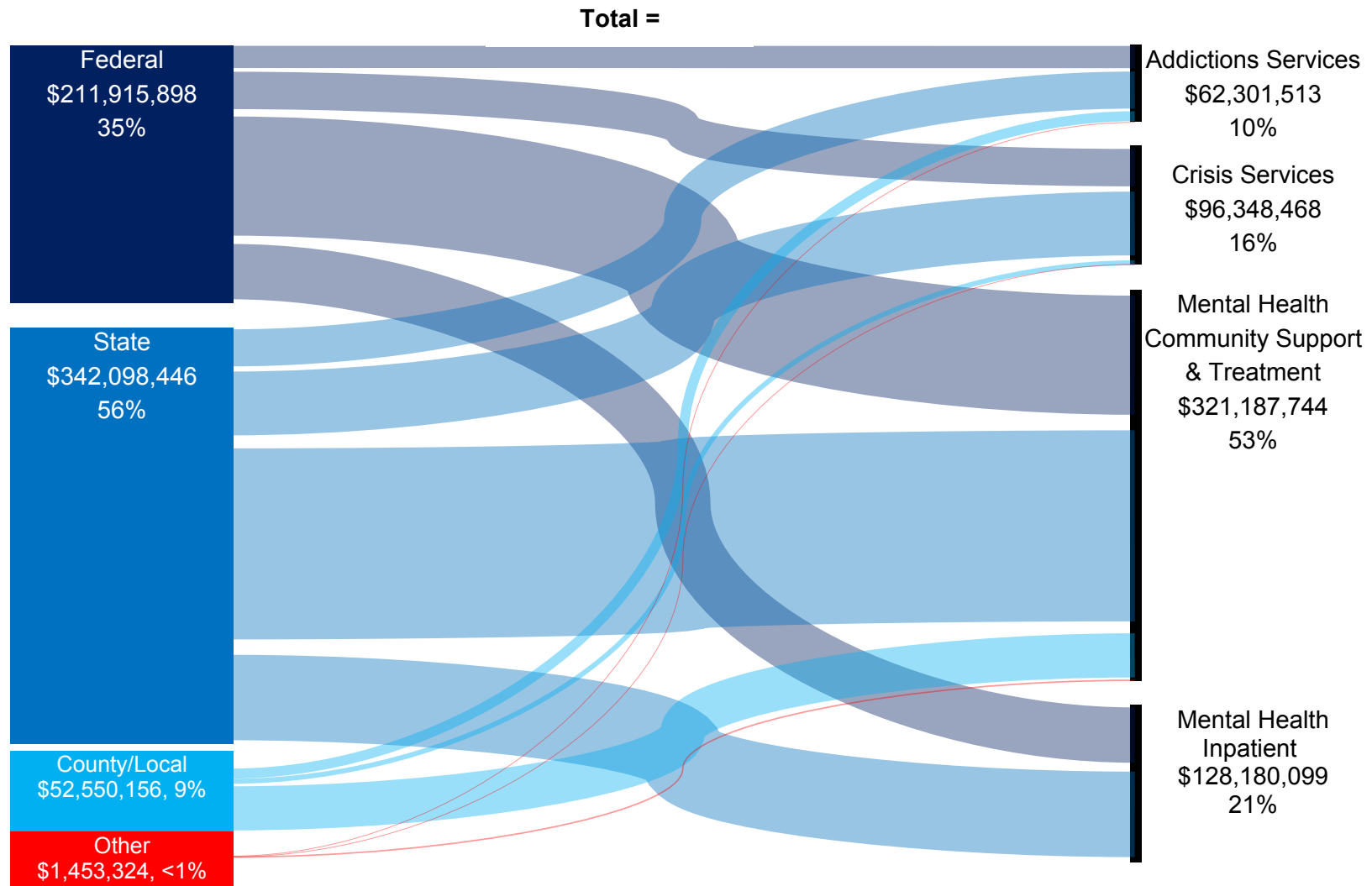


Exhibit 2. Behavioral Health Services Funding Inventory: Funding Amount by Entity and Source of Funding, SFY19

Entity Administering Services	Medicaid	Other Federal	Other State	County / Local	Other	Total	% of Total
Health Share of Oregon	\$481,382,592					\$481,382,592	79.2%
Multnomah County Health Department	\$19,907,333	\$4,081,980	\$33,482,256	\$31,012,707	\$800,934	\$89,285,210	14.7%
Division of Aging, Disability and Veterans Services	\$400,000		\$791,401	\$221,041		\$1,412,442	0.2%
Division of Youth & Family Services				\$134,903		\$134,903	0.0%
Department of Community Justice	\$99,406		\$579,182	\$3,801,909	\$60,946	\$4,541,443	0.7%
Joint Office of Homeless Services		\$4,648,529		\$16,559,539		\$21,208,068	3.5%
Portland Police Bureau				\$820,057		\$820,057	0.1%
MacArthur Safety & Justice Grant					\$591,444	\$591,444	0.1%
U.S. Department of Housing and Urban Development (HUD) Continuum of Care		\$8,641,665				\$8,641,665	1.4%
Total Funding	\$501,789,331	\$17,372,174	\$34,852,839	\$52,550,156	\$1,453,324	\$608,017,824	100%

Notes: The amount for Health Share of Oregon includes all paid claims with a primary behavioral health diagnosis in SFY19. Further details about the data sources and the programs included for each of the entities administering services are presented in Section 3.

Exhibit 3. Flow of Behavioral Health Services Funding in Multnomah County



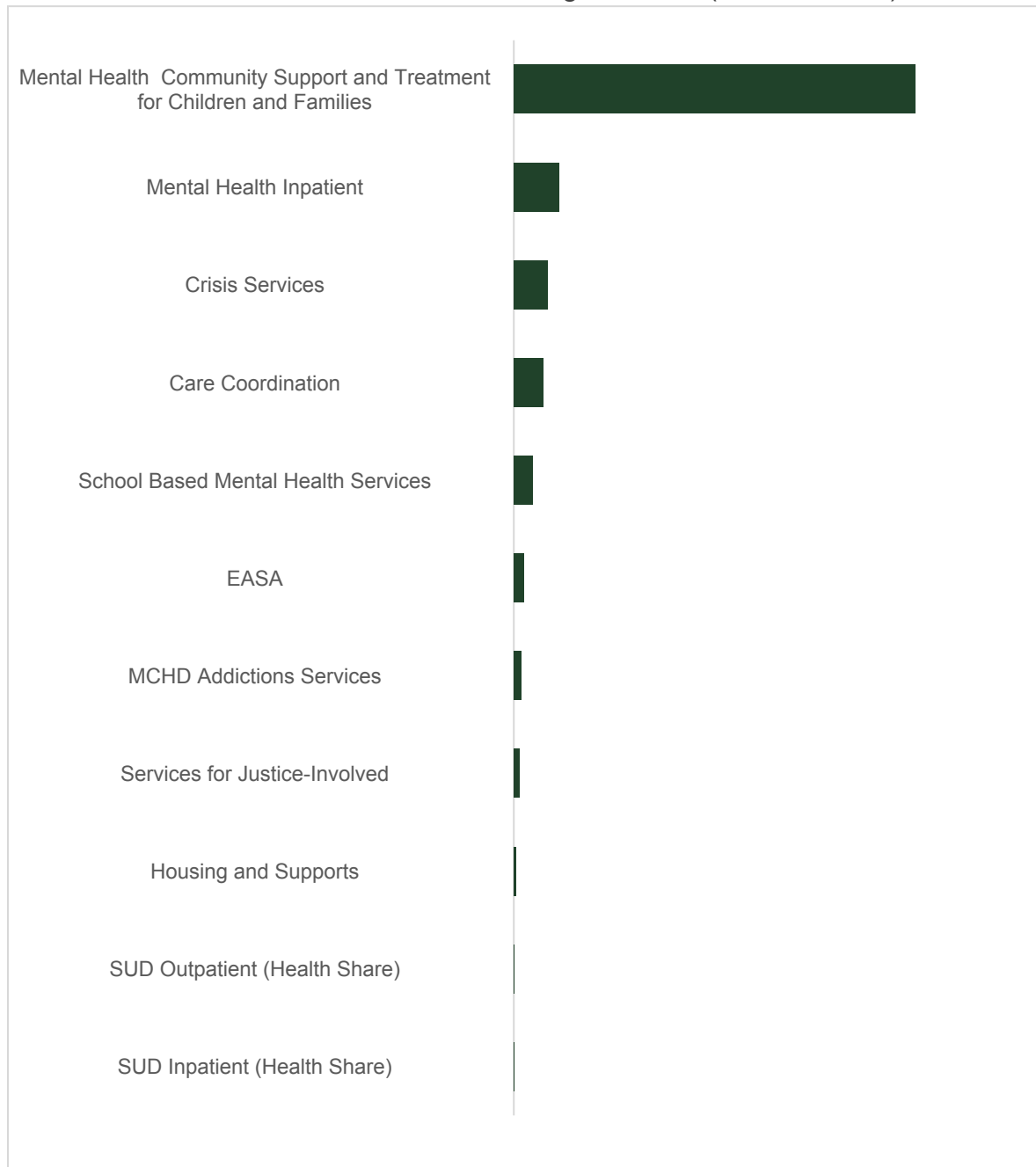
Notes: In this image, Medicaid funding is split across Federal and State according to the Federal Medical Assistance Percentages (FMAP) rate for the federal fiscal year effective 10/1/2019; the split is 38.77% federal and 61.23% state. A further breakdown of programs within each service category shown on the right of this image is presented in Exhibit 4 and described in more detail in Appendix A.

Exhibit 4. Proportion of Behavioral Health Services Funding by Service Type



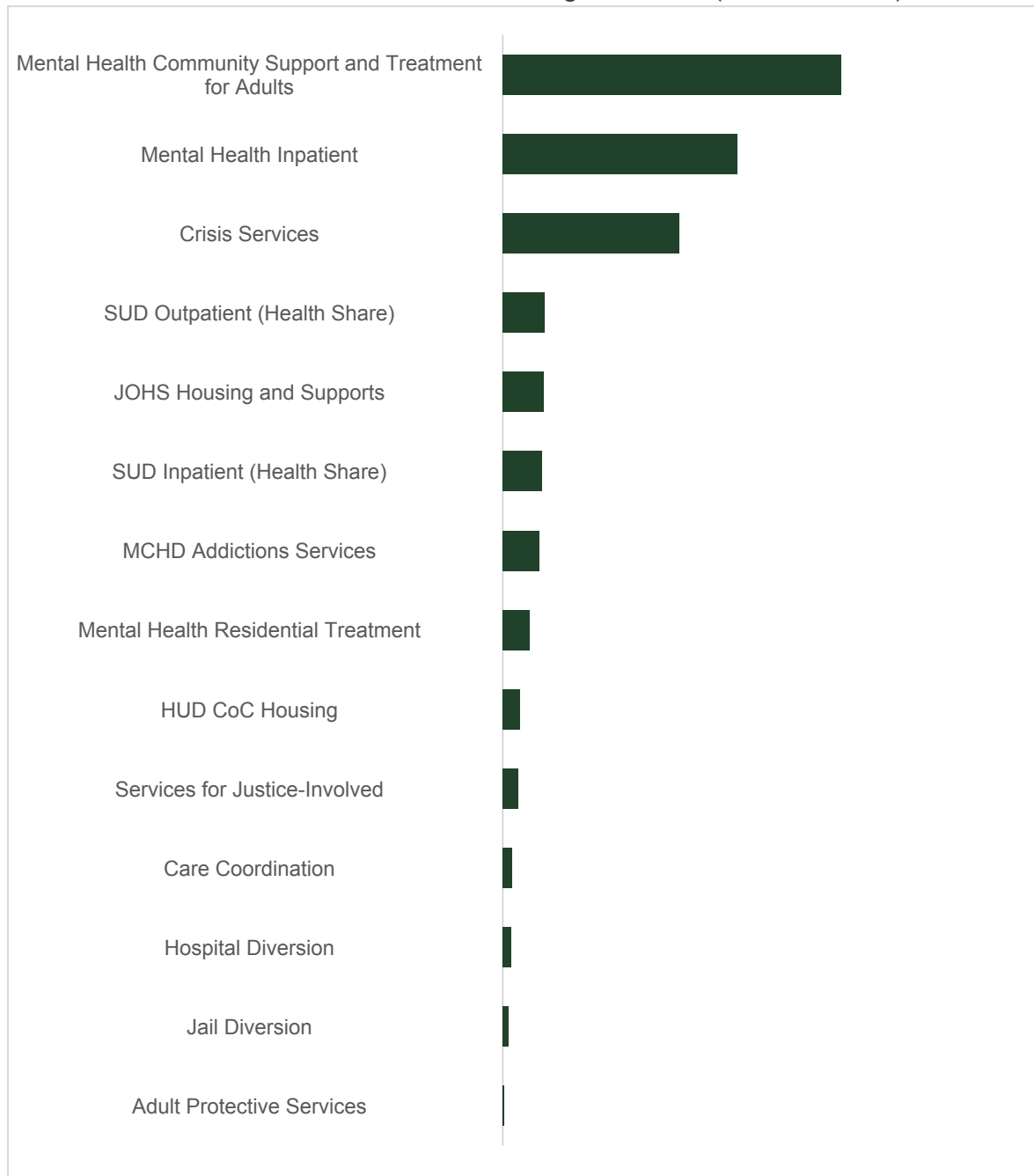
Notes: This image displays two levels of categorization of funding by service type; the inner ring rolls up total funding into four broad categories for which the percentages (shown in parentheses) add up to 100%. The outer ring breaks each of the four inner categories into smaller segments with corresponding colors; the percentages in the outer ring add up to 100% reflecting the share of each segment to the total \$608,017,824 spent on behavioral health services in SFY19. Further detail about the programs categorized into each segment is provided in Appendix A. Acronyms: MCHD=Multnomah County Health Department.

Exhibit 5. Behavioral Health Services Funding for Youth (\$100,745,576)



Notes: This figure provides more granularity about funding for services focused on youth; if comparing it to Exhibit 4, Mental Health Services for Children and Families, Care Coordination, School Based Mental Health Services, and EASA were all grouped into the category “Community Services for Youth”, and Services for Justice-Involved was included in the ‘Other’ category in Exhibit 4. See Appendix A for details of the services included in each category.

Exhibit 6. Behavioral Health Services Funding for Adults (\$506,099,163)



Notes: This figure provides more granularity of funding for services for adults; if comparing to the outer ring of Exhibit 4, Mental Health Community Support and Treatment for Adults and Care Coordination were grouped under 'Community Services for Adults'; Services for Justice-Involved, Hospital Diversion, Jail Diversion, and Adult Protective Services were grouped under 'Other'; JOHS Housing and Supports and HUD CoC Housing were grouped under 'Housing Supports'. See Appendix A for details of the services included in each category. Acronyms: HUD CoC=U.S. Department of Housing and Urban Development Continuum of Care.

3. Funding Detail by Entity Administering Services

This section provides additional details on the funding for behavioral health services for each entity that administers services.

3.1 Health Share of Oregon (Medicaid) Behavioral Health Expenditures

As noted above, all of Health Share of Oregon's funding comes directly from Medicaid, which is a combination of state and federal dollars based on the FMAP rate, which is adjusted each federal fiscal year. Exhibit 7 tabulates Health Share of Oregon's expenditures by service type and age group. Exhibit 8 displays the same information from the 'Total' column of Exhibit 7 in graphical format showing the proportion of expenditures for each service type out of Health Share's total expenditures for behavioral health. Similarly, Exhibit 9 provides the proportion of total expenditures by service type separately for youth and adults.

Exhibit 7. Health Share of Oregon Expenditures on Behavioral Health by Age Group, SFY19

Service Type	Adults	Youth	Total
Outpatient Total	\$165,414,376	\$50,885,821	\$216,300,197
Outpatient – Mental Health	\$66,614,232	\$35,111,949	\$101,726,181
Outpatient – SUD	\$21,468,101	\$73,712	\$21,541,813
Outpatient – Primary Care	\$19,627,384	\$4,179,294	\$23,806,678
Outpatient – Specialty Care	\$7,976,992	\$6,754,065	\$14,731,058
Outpatient – Other Costs	\$49,727,666	\$4,766,801	\$54,494,467
Inpatient Total	\$139,718,987	\$8,309,639	\$148,028,626
Inpatient – Psychiatric	\$84,617,970	\$7,067,461	\$91,685,431
Inpatient – SUD	\$19,800,657	\$47,870	\$19,848,527
Inpatient – Medical/General	\$25,659,758	\$1,192,251	\$26,852,009
Inpatient – Long Term Care	\$422,595	\$-	\$422,595
Inpatient – Other Costs	\$9,218,007	\$2,057	\$9,220,064
Emergency Total	\$73,251,160	\$5,191,362	\$78,442,522
Emergency Department	\$63,927,886	\$4,433,514	\$68,361,400
Medical Transportation	\$9,323,274	\$757,848	\$10,081,122
Other Costs	\$21,885,963	\$16,725,284	\$38,611,247
Total Medicaid Expenditures	\$400,270,486	\$81,112,106	\$481,382,592

Source: Health Share of Oregon claims data SFY19 (7/1/2018 – 6/30/2019). The data include all claims for which the primary diagnosis on the claim is a behavioral health condition.

Notes: The service type categories are based on the Milliman Health Cost Guidelines (HCGs) grouper software used by Health Share. The "Outpatient – Other Costs" category includes freestanding ambulatory surgical center (ASC)

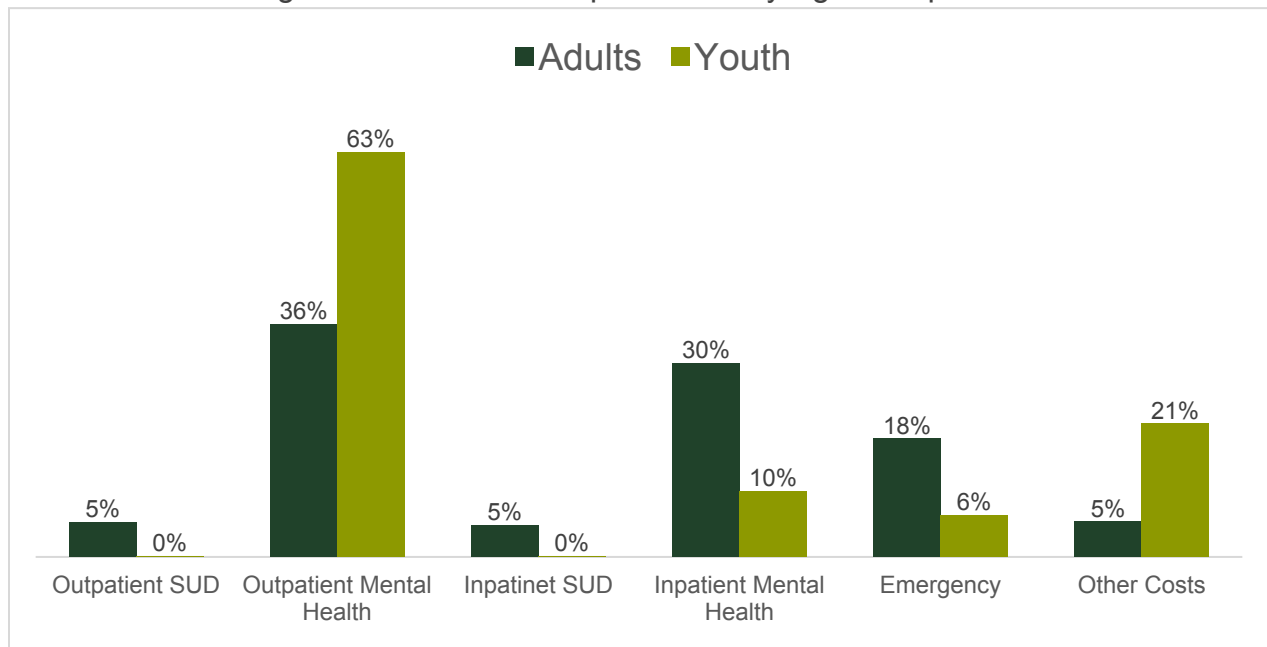
procedures, labs and radiology, and 'other' outpatient costs according to Milliman's grouping; "Inpatient – Other Costs" includes labs and radiology and surgical procedures that occur as part of an inpatient stay; "Other Costs" includes ancillary medical equipment, vision, office administered drugs, and costs grouped into "ancillary – other" by the Milliman software.

Exhibit 8. Health Share Behavioral Health Expenditures, by Service Type - Detailed



Notes: the percentages in the inner ring add to 100%, and the percentages in the outer ring add to 100%.

Exhibit 9. Percentage of Health Share Expenditures by Age Group



Notes: The percentages for adults add up to 100%, and the percentages for youth add up 100%, showing the share of expenditures within each age group by service type. In this image, all outpatient expenditures from Exhibit 7 other than SUD are grouped into 'Outpatient Mental Health' and all inpatient expenditures other than SUD are grouped into 'Inpatient Mental Health.' The assumption is these other types of outpatient and inpatient costs are related to mental health.

3.2 Multnomah County Health Department

Exhibit 10. MCHD Behavioral Health-Related Program Funding, SFY19

Program Offer	Budget	Medicaid	Federal	State	County	Other	Youth Served	Adults Served	Total Served	Special Populations Served
The Choice Model Program	\$4,201,908	31%	0%	69%	0%	0%	31	360	391	
Adult Protective Services*	\$541,502	0%	0%	50%	50%	0%	0	364	364	
Behavioral Health Crisis Services	\$12,621,909	50%	0%	27%	22%	0%	2401	18,639	21,040	
Community Based Mental Health Services for Children & Families	\$4,458,957	43%	0%	11%	38%	8%	206	0	206	Youth and Families
Coordinated Diversion for Justice Involved Individuals	\$2,462,471	0%	4%	63%	33%	0%	4	384	388	Justice-Involved
Corrections Health Mental Health Services	\$3,559,494	0%	0%	0%	100%	0%	^	^	^	Justice-Involved
Culturally Responsive LGBTQ MH Services	\$50,000	0%	0%	0%	100%	0%	^	^	^	LGBTQ+, Pacific Islander, African American, Eastern European, Latino, Native American
Culturally Specific Mental Health Services	\$1,674,369	0%	0%	0%	100%	0%	^	^	600	Pacific Islander, African American, Eastern European, Latino, Native American
Early Assessment & Support Alliance	\$1,856,184	14%	0%	79%	0%	8%	75	251	326	Youth and Families
Mental Health Commitment Services	\$4,243,063	0%	0%	70%	30%	0%	0	2,426	2,426	
Mental Health Crisis	\$4,758,389	86%	0%	0%	14%	0%	^	^	^	

Assessment & Treatment Center (CATC)										
Mental Health First Aid	\$181,286	0%	0%	0%	100%	0%	^	^	^	
Mental Health Residential Services	13,735,100	2%	0%	84%	14%	0%		826	826	
Mental health services delivered in primary care settings*	\$3,656,154	0%	0%	0%	100%	0%	484	1,944	2,428	
Mental Health Services for Victims & Survivors of Domestic Violence	\$65,000	0%	0%	0%	100%	0%	^	^	^	Survivors of Domestic Violence
Mental Health Treatment & Medication for the Uninsured	\$1,364,322	0%	0%	0%	100%	0%	88	913	1,001	Uninsured
Multnomah Wraparound	\$5,380,316	96%	0%	4%	0%	0%	1,080	0	1,080	Youth and Families
Peer-run Supported Employment Center	\$109,940	0%	0%	0%	100%	0%	^	^	^	
School Based Mental Health Services	\$3,453,673	4%	0%	32%	57%	7%	1,374	156	1,530	Youth
Adult Addictions Treatment Continuum	11,663,818	3%	26%	37%	34%	0%	0	1,160	1,160	
Addiction Services Alcohol & Drug Prevention	\$324,251	0%	100%	0%	0%	0%	^	^	^	
Addiction Services Gambling Treatment & Prevention	\$810,250	0%	0%	100%	0%	0%	^	^	^	
Addictions Detoxification & Post Detox Housing	\$2,927,006	0%	0%	44%	56%	0%	^	^	^	
Capital for Development of SA	\$350,000	0%	0%	0%	100%	0%	^	^	^	

Treatment Facility										
Family & Youth Addictions Treatment Continuum	\$631,374	0%	44%	25%	32%	0%	^	^	^	Youth and Families
Family Involvement Team	\$445,107	0%	0%	100%	0%	0%	^	^	^	Youth and Families
Harm Reduction	\$1,999,282	0%	18%	0%	80%	3%	^	^	^	
LEAD	\$750,000	0%	0%	0%	100%	0%	^	^	^	
SUD services delivered in primary care settings*	\$18,286	0%	0%	0%	100%	0%	8	177	185	
Tobacco Prevention & Control	\$991,799	0%	0%	49%	51%	0%	^	^	^	
Total	\$89,285,210	22%	5%	38%	35%	1%				

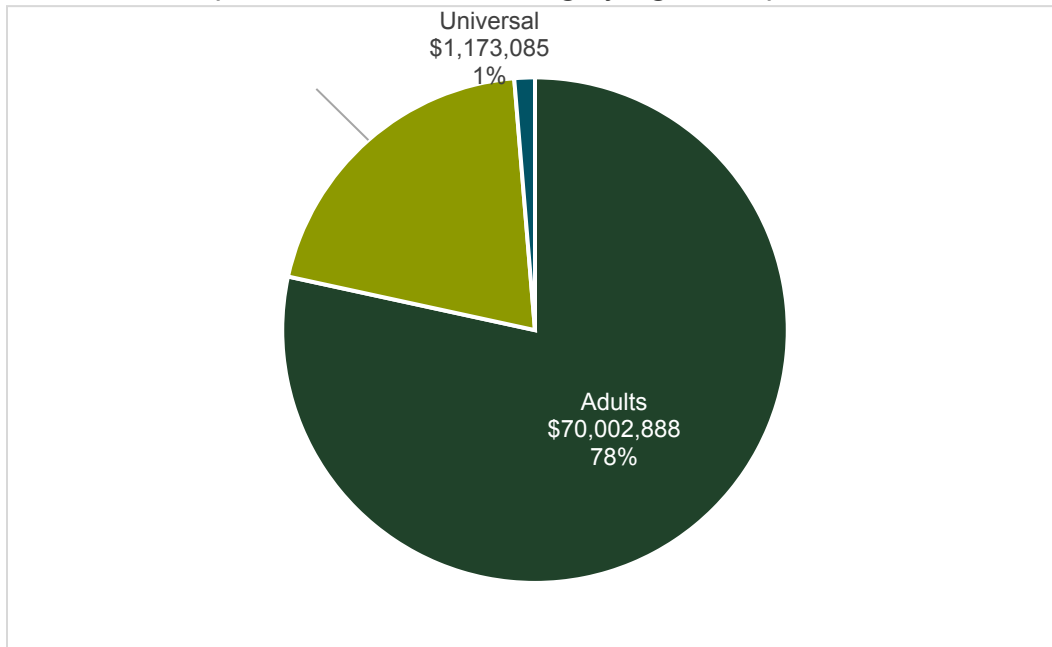
Source: Multnomah County Health Department SFY19 program offers; Unless otherwise noted in the footnote below, funding data were obtained from publicly available FY19 program offers: <https://multco.us/budget/fy-2019-program-offers>; the dollar amounts reflect the budget for each program offer. Data for numbers served was provided by MCHD but not for all programs, often because the program was not included in our initial data request (as is the case with addictions-focused programs) or because the data were not readily available from MCHD's data systems. The program offer for 'Mental Health Services for Adults' is not included on this grid because its funding is fully captured in Medicaid expenditures. See Section 5 for more detail on data gaps and limitations.

Notes:

*=The amount for Adult Protective Services was provided by MCHD since it is part of a larger program offer. Mental health and SUD services delivered in primary care settings were estimated based on CY2018 clinic-level visit counts for mental health or SUD services where Health Share/Medicaid was not the primary payer (this includes self-pay and other payers for which MCHD covers most of the cost of care). The programs considered primary care settings include Integrated Clinical Services (ICS) Primary Care, School Based Health Centers, and Services for Individuals with HIV.

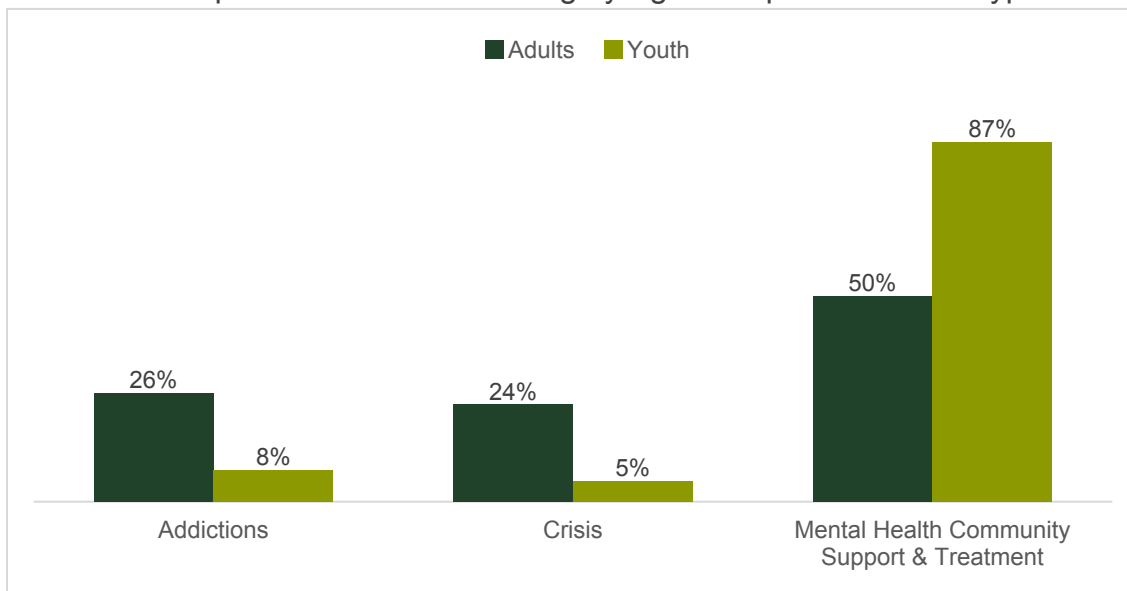
^= Data for numbers served was not obtained for this report.

Exhibit 11. Proportion of MCHD Funding by Age Group



Notes: We classified all MCHD programs as serving primarily youth or adults based on the descriptions in the program offer. If a program offer did not specifically mention youth, we classified it as adult-serving. For programs that serve both adults and youth we prorated the total funding by the proportion of youth or adults served. Two programs—Mental Health First Aid and Tobacco Prevention and Control—we classified as ‘Universal’ and not focused on serving adults or youth.

Exhibit 12. Proportion of MCHD Funding by Age Group and Service Type



Notes: This figure shows the proportion of funding by broad service type separately for youth and adults. The percentages for youth add up to 100% and the percentages for adults add up to 100%. See Appendix A for details on what programs are categorized into each service type.

3.3 Aging and Disabilities

Exhibit 13. Division of Aging, Disability and Veterans Services (ADVSD) Mental Health-Related Funding, SFY19

Program Offer	Budget	Medicaid	Federal	State	County	Other	Total Served	Special Populations Served
Behavioral health consultants on multidisciplinary teams	\$381,728	0%	0%	42%	58%	0%	171	Older adults and people with physical disabilities who have behavioral health concerns
Older Adult Behavioral Health Initiative	\$315,907	100%	0%	0%	0%	0%	456	Older adults
PEARLS Program (and a bit of WISE)	\$314,807	0%	0%	100%	0%	0%	N/A	Older adults with mild to moderate behavioral health needs
Behavioral Support Services (BSS)	\$400,000	0%	0%	100%	0%	0%	^	Care providers of older adults and people with disabilities and behavioral health needs
Total	\$1,412,442	28%	0%	56%	16%	0%		

Source: Multnomah County Aging, Disability and Veterans Services (ADVSD) Division. Mental health-related services funding for SFY19.

^= Data for numbers served was not obtained for this report.

3.4 Youth and Family Services

Exhibit 14. Division of Youth & Family Services

Program/Service	Budget	Medicaid	Federal	State	County	Other	Total Served	Special Populations Served
Bienestar de la Familia	\$134,903	0%	0%	0%	100%	0%	127	Latino community

Total	\$134,903	0%	0%	0%	100%	0%	127	
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Source: Multnomah County Division of Youth and Family Services.

3.5 Department of Community Justice (Community Corrections)

Exhibit 15. Community Corrections Funding by Funding Source

Program Name	Budget	Medicaid	Federal	State	County	Other	Total Served	Special Populations Served
Mental Health Unit	\$1,450,950	0%	0%	0%	98%	2%	525	Justice-Involved
Dual Diagnosis Residential Services - Luke-Dorf	\$512,085	0%	0%	0%	100%	0%	42	Justice-Involved
MH Housing and Case Management - Luke-Dorf	\$165,199	0%	0%	0%	100%	0%	39	Justice-Involved
MH Housing - Innovative Housing	\$127,205	0%	0%	0%	100%	0%	33	Justice-Involved
Supportive Housing - Bridges to Change	\$379,252	0%	0%	0%	100%	0%	^	Justice-Involved
Stabilization supportive Housing - Central City Concern	\$404,086	0%	0%	0%	100%	0%	^	Justice-Involved
MH Treatment and Coordination	\$258,339	0%	0%	0%	100%	0%	60	Justice-Involved
MH Treatment for Women	\$219,074	0%	0%	0%	86%	14%	45	Justice-Involved
JSD Assessment and Evaluation Program	\$246,618	0%	0%	0%	100%	0%	58	Justice-Involved Youth
JSD Assessment & Tx for Youth & Families	\$756,721	13%	0%	74%	13%	0%	35	Justice-Involved Youth
JSD Flex Fund Program	\$21,914	0%	0%	78%	22%	0%	13	Justice-Involved Youth
Total	\$4,541,443	2%	0%	13%	84%	1%		

Source: Multnomah County Department of Community Justice, SFY19 expenditures.

Notes: In FY20, Community Corrections has additional funding for a Mental Health Court.

^= Data for numbers served was not obtained for this report.

3.6 Joint Office of Homeless Services

Exhibit 16. JOHS Mental Health-Related Services and Housing Funding by Funding Source

Program Name	Budget	Medicaid	Federal	State	County	Other	Total Served	Special Populations Served
Mental Health-Related Services								
Mobile Permanent Supportive Housing Team (MPSH)	\$905,630	0%	0%	0%	100%	0%	33	Homeless or Unstably Housed
Street Outreach, Housing Placement & Rent Assistance	\$1,763,155	0%	0%	0%	100%	0%	354	Homeless or Unstably Housed
Community Engagement Program (CEP)	\$295,850	0%	0%	0%	100%	0%	51	Homeless or Unstably Housed
Navigation Team Pilot	\$233,283	0%	0%	0%	100%	0%	^	Homeless or Unstably Housed
Benefits and Entitlement Services (BEST)	\$908,900	0%	0%	0%	100%	0%	^	Homeless or Unstably Housed
Intensive Street Engagement (ISEP)	\$902,520	0%	0%	0%	100%	0%	172	Homeless or Unstably Housed
Bud Clark Commons Day Center	\$1,399,675	0%	0%	0%	100%	0%	7138	Homeless or Unstably Housed
HUD Pathways Mental Health Services for Youth	\$46,670	0%	100%	0%	0%	0%	27	Homeless or Unstably Housed
CHAT Mental Health Supervisor and Hazel Heights Qualified Mental Health Practitioner for PSH	\$64,829	0%	0%	0%	100%	0%	^	Homeless or Unstably Housed, Native American
Adult Shelter Beds	\$7,316,779	0%	25%	0%	75%	0%	2750	Homeless or Unstably Housed
ROSE Mental Health and A/D Youth	\$296,573	0%	0%	0%	100%	0%	528	Homeless or Unstably

Services								Housed, Native American, Youth
Mental Health-Related Housing								
Bud Clark Commons	\$399,030	0%	0%	0%	100%	0%	^	Homeless or Unstably Housed
Mental Health Outreach & Housing Placement Team	\$1,053,250	0%	0%	0%	100%	0%	^	Homeless or Unstably Housed
Intensive Street Engagement (ISEP) - Supportive Housing	\$411,060	0%	0%	0%	100%	0%	^	Homeless or Unstably Housed
Hazel Heights Rent Assistance - 5 Units	\$66,000	0%	0%	0%	100%	0%	^	Homeless or Unstably Housed
Alcohol and Drug Free Community (ADFC) housing	\$630,381	0%	26%	0%	74%	0%	^	Homeless or Unstably Housed
HOPE (130 HH)	\$2,729,893	0%	94%	0%	6%	0%	^	Homeless or Unstably Housed
Willow Tree	\$77,310	0%	0%	0%	100%	0%	^	Homeless or Unstably Housed
24 Month Vouchers for Families	\$600,000	0%	0%	0%	100%	0%	^	Homeless or Unstably Housed
Bridgeview (48 Units)	\$251,090	0%	0%	0%	100%	0%	^	Homeless or Unstably Housed
NE Sandy Studios	\$493,930	0%	0%	0%	100%	0%	^	Homeless or Unstably Housed
Local Long-Term Voucher Program	\$362,260	0%	0%	0%	100%	0%	^	Homeless or Unstably Housed
HUD Continuum of Care projects	\$8,641,665	0%	100 %	0%	0%	0%	^	Homeless or Unstably Housed
Total	29,849,733	0%	45%	0%	55%	0%		

Source: Joint Office of Homeless Services, SFY19 “budgeted” dollars; note, JOHS provided both the “actual” amount spent by project and the amount “budgeted”; we used the amount budgeted because the breakout of funding by source (e.g. Federal or County) was for the amounts budgeted.

Notes: The categorization of JOHS projects into mental health-related services and mental health-related housing was done by JOHS. JOHS prorated funding amounts for housing based on the estimated number of individuals with mental health needs. See Section 6 for more discussion of data limitations.

^= Data for numbers served was not obtained for this report.

3.7 Portland Police Bureau

Exhibit 17. Portland Police Bureau Mental Health-Related Funding, SFY19

Program Name	Budget	Medicaid	Federal	State	County	Other	Total Served	Special Populations Served
Behavioral Health Unit/ Cascadia Project Respond	\$525,648	0%	0%	0%	100%	0%	500	Pairs a patrol officer and a licensed mental health professional from Cascadia Project Respond to connect individuals experiencing a mental health crisis to appropriate services and resources in order to reduce their frequency of contact with police.
Service Coordination Team (SCT)*	\$294,409	0%	0%	0%	100%	0%	35	A program to address the root causes of crime for Portland's most frequent drug and property crime offenders. Contracting with Central City Concern, the program provides housing, treatment, and wraparound services for justice-involved individuals experiencing homelessness and chronic addiction. A subset of the housing program is set aside for stabilization for individuals with SPMI working with the Cascadia Project Respond officer clinical team.
Total	\$820,057	0%	0%	0%	100%	0%	535	

Source: Portland Police Bureau; Behavioral Health Unit.

*Mental health-related funding for CST was calculated based on the proportion of total beds reserved for individuals with SPMI (9 out of 66 beds are reserved for SPMI)

3.8 MacArthur Safety and Justice

Exhibit 18. MacArthur Safety & Justice Mental Health-Related Funding, SFY19

Program Name	Budget	Medicaid	Federal	State	County	Other	Total Served	Special Populations Served
Diane Wade House	\$591,444	0%	0%	0%	0%	100%	34	The Diane Wade House is an Afrocentric transitional housing program for adult women involved in the criminal justice system. Run by Bridges to Change, it provides gender-responsive, trauma-informed services that are Afrocentric.
Total	\$591,444	0%	0%	0%	0%	100%	34	

Source: Diane Wade House Project Manager.

5. Data Gaps and Other Considerations

As with any analysis of this type, we encountered some challenges obtaining consistent and complete data. The following data gaps and other considerations should be taken into account when interpreting the data presented here. These gaps and considerations should also be taken into account as the County works to improve and align its data systems and processes in the future.

- This analysis is focused on funding for behavioral health services. It does not include administrative costs, such as the amount for Multnomah County's Mental Health and Addiction Services Division (MHASD) administration. Quality management costs were also excluded.
- It is not possible to determine from Health Share data what expenditures are associated with programs administered by the health department. Health department leadership determined overlap of funds between its program offers and Health Share expenditures should not be a major limitation to this analysis; however, some overlap may exist, resulting in funds being counted under specific programs and within Health Share data.
- Funding for the state psychiatric hospital is not included in this analysis because we were unable to obtain it.
- We defined behavioral health expenditures from Health Share as all expenditures where the primary diagnosis on the claim is a behavioral health condition. The data received, which were aggregated into broad service categories according to Health Share's grouper software, include service types that are not directly behavioral health-related, but since we did not have access to disaggregated data we could not investigate further. Therefore, the analysis may include some expenditures for non-behavioral health services, although the person's behavioral health diagnosis was listed as the primary diagnosis on the claim.
- We created service categories to classify all behavioral health-related programs at the most granular level possible within the data. However, many programs include a mix of services for which funding amounts could not be disaggregated (for example, programs that provide both residential treatment and housing or housing-related supports). In these situations, we chose the service type we determined to be predominant. Overlap between service types is an important limitation to consider.
- We attempted to disaggregate funding for services focused on youth vs. adults whenever possible, but this involved some estimation. MCHD programs for which the program offer did not specifically mention youth we classified as adult-serving, though it is possible these programs serve some youth as well. Similarly, programs such as MCHD's School Based Mental Health Services, which serves predominately youth, we classified as youth-serving though some individuals ages 18 and older are also served. For some MCHD programs we prorated the funding amount for youth and adults based on the proportion of clinic visits by age group (when data were available for such a breakdown), but the cost of serving youth and adult may not be equivalent.
- Information on numbers served was not available for all programs. We included as much information as we were able to obtain from our sources (methods are described in more

detail in the next section). Health Share of Oregon was not able to provide an unduplicated count of persons served within the timeframe of our data request. Since numbers served was not a specific focus of this analysis, we did not intensely pursue missing data for numbers served.

- The Joint Office of Homeless Services (JOHS) provided data for mental health-related services and mental health-related housing. For this project, JOHS prorated funding for some housing sites based on the estimated proportion of individuals with mental health needs. However, this involved some estimation and should not be considered a precise amount. When classifying JOHS programs as youth or adult, we classified only those that specifically target youth as youth-serving; some housing/supports for families may be classified under adults and therefore not reflect dollars serving youth. JOHS also provided data for projects funded by HUD Continuum of Care without JOHS support; these may include funds for housing for people without mental health needs or for housing for families that we did not capture in our breakout of funding for youth.

Appendix A: Data Sources and Methods

A list of key informants from agencies overseeing funding for publicly funded mental health-related services was developed in collaboration with the Steering Committee. We conducted a phone call with the identified informant(s) from each agency to discuss the project and request information on funding amounts, funding source, and number served. We developed a standardized data template to facilitate data collection but allowed informants to provide data in any format they preferred. The following grid shows the sources of data for this analysis.

Entity	Data Provided
Health Share of Oregon	Aggregated data for all SFY19 expenditures (paid claims) where the primary diagnosis on the claim is a behavioral health condition. The data were grouped into broad service categories using Milliman's Grouper Software and presented separately for youth ages 0-17 and adults age 18+. Data were further categorized by HSRI for analysis; more details about groupings is in Appendix B.
Multnomah County Health Department (MCHD)	Data for SFY19 program offers were provided in varying formats for a subset of programs resulting from the department's data systems. We cross checked all data to the funding amounts posted in the FY19 program offers posted online for the Health Department: https://multco.us/budget/fy-2019-program-offers . Amounts reflect budgeted dollars, though data received for a subset of programs shows revenue and expenditures aligned.
Division of Aging, Disability and Veterans Services (ADVSD)	Data for SFY19
Division of Youth and Family Services	Data for SFY19
Department of Community Justice	Data for SFY19
JOHS	JOHS provided amounts for 'Actual' and 'Budgeted' for SFY19 for mental health-related services housing, as well as funding from HUD Continuum of Care. We used the amount 'Budgeted' because the breakout of the total by source (e.g. county or federal) was for the amount budgeted.
Portland Police Bureau	Data provided from the coordinator of the Behavioral Health Unit. Funding for the Service Coordination Team (SCT) was prorated based on the proportion of beds reserved for individuals with SPMI.
MacArthur Safety and Justice	Data from Diane Wade House was included. Data from the Justice Reinvestment Program were not included in this analysis because it does not directly fund mental health services.

Service Type Groupings Detail

The grid below, Exhibit A1, shows how we categorized each program into service types. We implemented several layers of categorization that are presented in different visuals throughout this memo. The following describes what data are presented in each of the columns in Exhibit A1 and what Exhibit number(s) in this memo the data contained in the columns corresponds to. This level of detail could be used to replicate the findings presented in this memo.

- **Roll-up Group.** This column corresponds to the four broad service categories shown on the right side of the figure in Exhibit 3. These four categories also correspond to the inner ring of the figure displayed in Exhibit 4.
- **Detailed Group.** This column corresponds to the outer ring of the figure displayed in Exhibit 4.
- **Age Group-Specific Group.** This column corresponds to the service groupings presented separately for youth and adults in Exhibits 5 and 6, respectively.
- **Entity.** This column shows the entity that provided the data for the specific Program/Service/Project.
- **Program/Service/Project.** This column corresponds to the specific programs presented in the tables in Section 3, by entity. For several entities, the programs are rolled up into a single row because each program was categorized into the same service category. This is the case for programs funded by the Department of Community Justice which were all classified as “Services for Justice-Involved”, and for JOHS projects which we rolled up into three categories: JOHS services (adults), JOHS housing (adults), HUD CoC Housing (adults); all JOHS funding for youth was rolled into one category for youth.

Exhibit A1. Service Type Categorizations

Roll-Up Group	Detailed Group	Age Group-Specific Group	Entity	Program/Service/Project
Addiction Services	MCHD	MCHD Addiction Services	MCHD	Addiction Services Alcohol & Drug Prevention
Addiction Services	MCHD	MCHD Addiction Services	MCHD	Addiction Services Gambling Treatment & Prevention
Addiction Services	MCHD	MCHD Addiction Services	MCHD	Addictions Detoxification & Post Detox Housing
Addiction Services	MCHD	MCHD Addiction Services	MCHD	Adult Addictions Treatment Continuum
Addiction Services	MCHD	MCHD Addiction Services	MCHD	Capital for Development of SA Treatment Facility
Addiction Services	MCHD	MCHD Addiction	MCHD	Family & Youth Addictions Treatment Continuum

		Services		
Addiction Services	MCHD	MCHD Addiction Services	MCHD	Family Involvement Team
Addiction Services	MCHD	MCHD Addiction Services	MCHD	Harm Reduction
Addiction Services	MCHD	MCHD Addiction Services	MCHD	LEAD
Addiction Services	MCHD	MCHD Addiction Services	MCHD	Substance Abuse services in Primary Care settings
Addiction Services	MCHD	Not applicable	MCHD	Tobacco Prevention & Control
Addiction Services	Health Share Inpatient	SUD Inpatient (Health Share)	Health Share	Health Share inpatient SUD claims only
Addiction Services	Health Share Outpatient	SUD Outpatient (Health Share)	Health Share	Health Share outpatient SUD claims only
Crisis Services	Community Based	Crisis Services	PPB	Behavior Health Response Team (BHRT)
Crisis Services	Community Based	Crisis Services	MCHD	Behavioral Health Crisis Services
Crisis Services	Community Based	Crisis Services	MCHD	Mental Health Crisis Assessment & Treatment Center (CATC)
Crisis Services	ER	Crisis Services	Health Share	Includes Emergency Room and medical transportation
Mental Health Community Support & Treatment	Community Services for Adults	Care Coordination	Aging & Disabilities	Older Adult Behavioral Health Initiative
Mental Health Community Support & Treatment	Community Services for Adults	Care Coordination	Aging & Disabilities	Behavioral Support Services (BSS)
Mental Health Community Support & Treatment	Community Services for Adults	Care Coordination	MCHD	The Choice Model Program
Mental Health Community Support & Treatment	Community Services for Adults	Community Support and Treatment for Adults	Aging & Disabilities	Behavioral health consultants that work on multidisciplinary teams
Mental Health Community Support & Treatment	Community Services for Adults	Community Support and Treatment for Adults	Aging & Disabilities	PEARLS Program (and a little bit of WISE)
Mental Health Community Support &	Community Services for Adults	Community Support and Treatment for	Health Share	All expenditures for outpatient services and 'other' health services for adults are included in this

Treatment		Adults		category
Mental Health Community Support & Treatment	Community Services for Adults	Community Support and Treatment for Adults	MCHD	Mental Health Treatment & Medication for the Uninsured
Mental Health Community Support & Treatment	Community Services for Adults	Community Support and Treatment for Adults	MCHD	Peer-run Supported Employment Center
Mental Health Community Support & Treatment	Community Services for Adults	Community Support and Treatment for Adults	MCHD	Mental Health Services for Victims and Survivors of Domestic Violence
Mental Health Community Support & Treatment	Community Services for Adults	Community Support and Treatment for Adults	MCHD	Culturally Specific Mental Health Services
Mental Health Community Support & Treatment	Community Services for Adults	Community Support and Treatment for Adults	MCHD	Culturally Responsive LGBTQ MH Services
Mental Health Community Support & Treatment	Community Services for Adults	Community Support and Treatment for Adults	MCHD	Mental Health Services in Primary Care
Mental Health Community Support & Treatment	Community Services for Youth	Care Coordination	MCHD	Multnomah Wraparound
Mental Health Community Support & Treatment	Community Services for Youth	Community Support and Treatment for Children and Families	Health Share	All expenditures for outpatient services and 'other' health services for youth are included in this category
Mental Health Community Support & Treatment	Community Services for Youth	Community Support and Treatment for Children and Families	MCHD	Community Based MH Services for Children & Families
Mental Health Community Support & Treatment	Community Services for Youth	Community Support and Treatment for Children and Families	MCHD	Mental Health Treatment & Medication for the Uninsured
Mental Health Community Support & Treatment	Community Services for Youth	Community Support and Treatment for Children and Families	MCHD	Mental Health Services in Primary Care
Mental Health Community Support & Treatment	Community Services for Youth	Community Support and Treatment for Children and Families	Youth & Family Services	Bienestar de la Familia

Mental Health Community Support & Treatment	Community Services for Youth	EASA	MCHD	Early Assessment & Support Alliance
Mental Health Community Support & Treatment	Community Services for Youth	School Based Mental Health Services	MCHD	School Based Mental Health Services
Mental Health Community Support & Treatment	Housing and Supports	JOHS Housing and Supports (Adult only)	JOHS	All JOHS mental health-related services housing projects except those focused on youth, which are classified separately, below
Mental Health Community Support & Treatment	Housing and Supports	HUD CoC Housing (Adult only)	JOHS	All HUD housing projects unless noted for youth
Mental Health Community Support & Treatment	Housing and Supports	Housing and Supports (Youth only)	JOHS	All youth-specific housing and supports (JOHS & HUD)
Mental Health Community Support & Treatment	Other	Adult Protective Services	MCHD	Protective Services
Mental Health Community Support & Treatment	Other	Hospital Diversion	MCHD	Mental Health Commitment Services
Mental Health Community Support & Treatment	Other	Jail Diversion	MCHD	Coordinated Diversion for Justice Involved Individuals
Mental Health Community Support & Treatment	Other	Jail Diversion	PPB	Service Coordination Team (SCT)
Mental Health Community Support & Treatment	Other	Not applicable	MCHD	Mental Health First Aid
Mental Health Community Support & Treatment	Other	Services for Justice-Involved	Department of Community Justice	All Community Corrections programs were classified as 'Services for Justice-Involved'
Mental Health Community Support & Treatment	Other	Services for Justice-Involved	MacArthur Safety & Justice	Diane Wade House
Mental Health	Other	Services for Justice-	MCHD	Corrections Health Mental Health Services

Community Support & Treatment		Involved		
Mental Health Community Support & Treatment	Residential	Mental Health Residential Treatment	MCHD	Mental Health Residential Services
Mental Health Inpatient	Adult	Mental Health Inpatient	Health Share	All inpatient expenditures except for SUD
Mental Health Inpatient	Youth	Mental Health Inpatient	Health Share	All inpatient expenditures except for SUD