Social and human service programs review: Utilization trends

State of Rhode Island, Office of the Health Insurance Commissioner

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Jason Clarkson, FSA, MAAA Principal and Consulting Actuary

Ian McCulla, FSA, MAAA Principal and Consulting Actuary John Kasey, MHA Healthcare Management Consultant

Zach Hunt, ASA, MAAA Associate Actuary



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Background

Milliman, Inc. (Milliman) has been retained by the State of Rhode Island Office of the Health Insurance Commissioner (OHIC) to conduct a comprehensive review of all social and human service programs having a contract with or licensed by the state, inclusive of the State of Rhode Island Executive Office of Health and Human Services (EOHHS) and the state agencies under its purview. This review is required by State of Rhode Island General Laws (RIGL) § 42-14.5-3(t). This statute requires nine assessments covering various rate and programmatic elements of the social and human service programs, with a final assessment being a culmination of the prior nine assessments. Social and human service programs include services in the following subject areas: social, mental health, developmental disability, child welfare, juvenile justice, prevention services, habilitative, rehabilitative, substance use disorder treatment, residential care, adult/adolescent day services, vocational, employment and training, and aging. As a whole, this series of reports may be used as one set of resources to provide education and insight into current Rhode Island social and human service programs' provider reimbursement and programmatic structure.

The assessments were completed in two phases with the first phase published in May 2023, and second phase published by September 1, 2023. The first phase included the nine assessments with a limited scope of services. The second phase is cumulative encompassing all information presented in the first phase reports with any applicable updates and additional programs or services reviewed. The second phase will conclude with a 10th report, published by OHIC, which will contain recommended provider reimbursement rate adjustments and other findings from the review.

This report addresses RIGL § 42-14.5-3(t) task 3: "An assessment and detailed reporting on utilization trends from the period of January 1, 2017, through December 31, 2021." Utilization information is illustrated for state fiscal year (SFY) 2017 through SFY 2022 social and human services identified in the *Social and Human Service Programs Review: Reimbursement Rates* report (Reimbursement Rates Report), providing additional utilization information for six months prior and six months beyond the statutorily required reporting period. Data was obtained from Rhode Island's Medicaid Management Information System (MMIS) and directly from Rhode Island state agencies for the purposes of this report.

Executive summary

The information contained in this report provides the state and other interested stakeholders a baseline understanding of service utilization for social and human service programs provided by Rhode Island. The service utilization contained in this report represents \$825.9 million in social and human service program expenditures in SFY 2022, with \$698.9 million administered through the MMIS and \$127.0 million reimbursed by state agencies. The SFY 2022 MMIS expenditures, which primarily are comprised of Medicaid covered services, reflect over 45,000 unique program recipients as of June 2022. By contrast, the total Medicaid program medical expenditures were over \$3.0 billion in SFY 2022¹ and there were over 350,000 full benefit Medicaid enrollees as of June 2022.²

Figure 1 illustrates the average monthly unique utilizers of social and human service program services administered via the MMIS. Social and human service program categories illustrated in this report are consistent with the Reimbursement Rates Report and are as follows: intellectual and developmental disability (I/DD) services, home and community-based services (HCBS), behavioral health providers, and children's services.

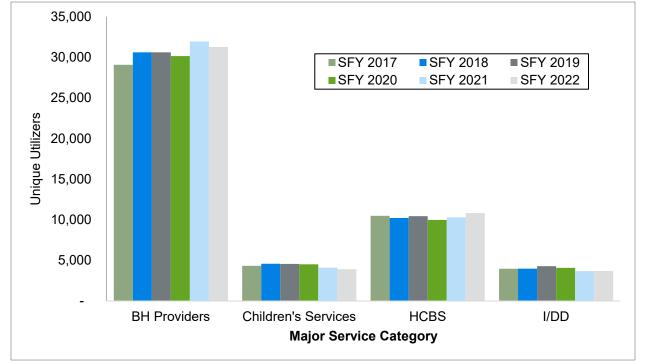


FIGURE 1: AVERAGE MONTHLY UNIQUE UTILIZERS BY STATE FISCAL YEAR

| Year-over-Year Trends | SFY 2017 – SFY 2018 | SFY 2018 – SFY 2019 | SFY 2019 – SFY 2020 | SFY 2020 – SFY 2021 | SFY 2021 – SFY 2022 |
|-----------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| Behavioral Health Providers | 5.3% | 0.0% | (1.5%) | 6.0% | (2.1%) |
| Children's Services | 5.9% | (0.5%) | (1.1%) | (9.2%) | (4.6%) |
| HCBS | (2.5%) | 2.2% | (4.4%) | 3.0% | 5.3% |
| I/DD Services | 0.2% | 7.7% | (4.9%) | (9.7%) | 0.2% |

Notes:

1. Values include both fee-for-service (FFS) and Medicaid managed care organization (MCO) encounter claims as received from EOHHS. MCO encounters include all managed care programs, including Rhody Health Options.

2. Utilizers are not mutually exclusive between major service categories. As an example, a member using I/DDS services and HCBS services will be counted in both.

¹ Rhode Island EOHHS (October 26, 2022). *November 2022 CEC Testimony*. Retrieved from:

https://www.rilegislature.gov/Special/rcc/REC202211/Nov 2022 CEC - Attachments FINAL v20221021.pdf page 1

² Rhode Island EOHHS (April 24, 2023). May 2023 CEC Testimony. Retrieved from: https://www.rilegislature.gov/Special/rcc/REC202305/Medical Assistance - May 2023 CEC - Attachments.pdf page 8

Utilization reductions coinciding with the COVID-19 pandemic starting in March 2020 result in the observed overall reduction in average monthly unique utilizers for I/DD and children's services in recent years. While HCBS and behavioral health services also decreased due to the COVID-19 pandemic in SFY 2020, utilization returned to near pre-pandemic levels during SFY 2021, and the unique utilizers of HCBS services have continued to increase through SFY 2022.

During the COVID-19 public health emergency (PHE), states were eligible to receive enhanced federal funding if meeting maintenance of eligibility (MOE) requirements. One aspect of the MOE required states to provide continuous eligibility during the PHE, which resulted in states pausing normal Medicaid redetermination activities. As a byproduct of this pause, Rhode Island Medicaid enrollment increased by over 25% from February 2020 through June 2022. This material enrollment increase may contribute to the unique utilizer trends observed in Figure 1. However, growth in the overall Medicaid population may not proportionally contribute to the increase in utilization for these services, as the enrollment growth is observed to primarily be attributable to healthy adults who are not material utilizers of HCBS, I/DD, and children's services. In addition, provider capacity and workforce shortage dynamics during the PHE may affect the utilization of services. These variables are not explicitly measured in this report.

Figure 2 illustrates the annual social and human service program expenditures for the Department of Human Services (DHS), Department of Health (DOH), Department of Children, Youth & Families (DCYF) and Office of Healthy Aging (OHA). Appendix 4 and Appendix 5 provide additional detail on the service utilization and expenditures for each of the programs administered by these agencies.

FIGURE 2: ANNUAL SOCIAL AND HUMAN SERVICE PROGRAM EXPENDITURES BY AGENCY (\$MILLION)

| Agency | SFY 2017 | SFY 2018 | SFY 2019 | SFY 2020 | SFY 2021 | SFY 2022 |
|---------------------------------------|---------------|---------------|----------|----------|----------|---------------|
| DHS | \$ 7.5 | \$ 6.1 | \$ 70.5 | \$ 70.3 | \$ 57.8 | \$ 57,782,879 |
| Vocational rehabilitation | 7.5 | 6.1 | 3.5 | 3.0 | 2.1 | 3.2 |
| Child care | Not Available | Not Available | 67.0 | 67.2 | 55.3 | 54.6 |
| DOH | \$ 0.1 | \$ 0.1 | \$ 0.1 | \$ 0.1 | \$ 0.1 | \$ 0.1 |
| Tobacco quit line | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| Lead services | Not Available | Not Available | 0.0 | 0.0 | 0.0 | 0.0 |
| DCYF | \$ 33.0 | \$ 44.5 | \$ 49.2 | \$ 58.4 | \$ 67.1 | \$ 68.7 |
| Home and community- based services | 13.5 | 18.1 | 21.5 | 23.0 | 21.9 | 16.8 |
| Foster care | 0.0 | 0.0 | 0.0 | 0.0 | 7.6 | 6.5 |
| Residential care | 19.3 | 25.5 | 25.2 | 30.6 | 25.8 | 29.2 |
| Residential care: out-of- state | 0.2 | 1.0 | 2.6 | 4.8 | 11.8 | 16.3 |
| OHA | \$ 0.3 | \$ 0.3 | \$ 0.3 | \$ 0.3 | \$ 0.3 | \$ 0.4 |
| CareBreaks | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 |
| TOTAL ¹ | \$ 40.9 | \$ 50.9 | \$ 120.1 | \$ 129.0 | \$ 124.9 | \$ 127.0 |

Notes:

1. Total expenditures in SFY 2017 and SFY 2018 exclude child care and lead services expenditures.

 Per diems paid to private agency foster care for services and parent stipends in SFY 2017 through SFY 2020 are not included in the figure above. Foster care agency payments in SFY 2021 and SFY 2022 represent the acuity-based payment to the private agency.

3. A limited number of DCYF expenditures are directly billed to Medicaid. Services directly billed to Medicaid are included in Figure 1 and excluded from Figure 2.

- 4. Lead service expenditures were less than \$20,000 per year.
- 5. Additional detailed expenditure information is provided in Appendix 5.
- 6. Values are rounded.

Because of the additional level of detail contained in the MMIS data relative to the summary-level utilization and expenditure data received from state agencies, the body of this report focuses on services administered via the MMIS. The following sections contain detailed service-level utilization metrics, utilization information stratified between the fee-for-service (FFS) claims and Medicaid managed care organization (MCO) encounters, and expenditure information where available.

Certain expenditure information is redacted to prevent the disclosure of proprietary Medicaid MCO provider reimbursement information. Descriptions of the data summarization and redaction procedures are available in the Methodology section of this report. Additional utilization and expenditure granularity is provided in the appendices and data book included with this report.

- Appendix 1 provides average unique monthly utilizer information for MMIS services stratified by state fiscal year, detailed service category, and delivery system (FFS/MCO).
- Appendix 2 provides annual expenditure information stratified for MMIS services by state fiscal year, detailed service category, and delivery system (FFS/MCO).
- Appendix 3 provides a crosswalk of provider type to major service category.
- Appendix 4 provides annual utilization information for Non-MMIS services.
- Appendix 5 provides annual expenditure information for Non-MMIS services.
- The data book provides the same information provided in Appendix 1 and Appendix 2 at the provider type, procedure code, and modifier level of detail by state fiscal year and by month.

Utilization summaries

Rhode Island MMIS utilization metrics are illustrated at various levels of granularity in this report, including the social and human service program category, service category, and procedure code. Appendix 3 of this report illustrates the provider type to service category crosswalk, which is consistent with the Reimbursement Rates Report.

The following utilization metrics are contained in this report:

- Average unique monthly utilizers. The average unique monthly utilizers metric represents the average number of people accessing services in a month. Because multiple services may be accessed by a single person, the unique utilizers from various services cannot be aggregated to calculate a composite number. Throughout the report, the unique utilizers metric is specific to the set of services represented in the figure, and therefore the values representing a larger number of services will always be less than or equal to the sum of the unique utilizers for the individual services.
- Annual expenditures. The annual expenditures metric represents the total dollar value of MMIS paid claims for a particular service. While annual expenditures is not a direct utilization metric, it is a helpful metric to understand the resources allocated to the various social and human service programs. Expenditures may be aggregated across service categories, facilitating a consistent comparison of varying levels of service summarization.

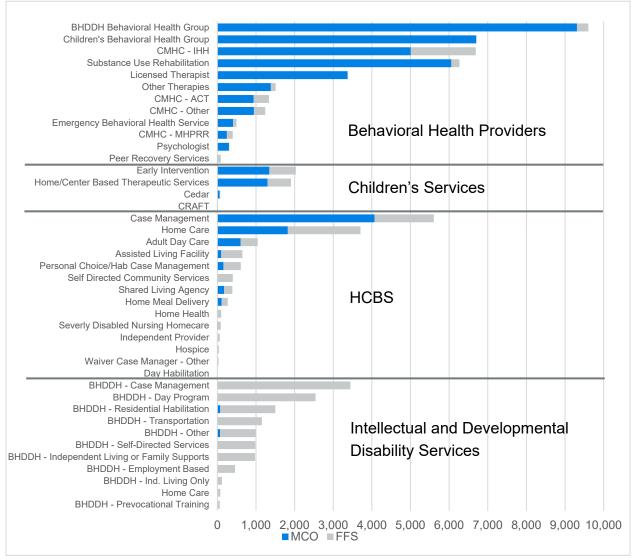
Unit count metrics are not included in this report due to observed inconsistencies in unit definitions. For example, some behavioral health services are reported on a 15-minute unit basis while other similar services are reported with units representing a count of visits. We will work with state agencies as needed to provide this information for use in developing fiscal impact estimates required by RIGL § 42-14.5-3(u).

SFY 2022 UTILIZATION BY SERVICE CATEGORY

Figure 3 illustrates the average unique monthly utilizers in SFY 2022 for each service category stratified by the FFS and MCO populations. Behavioral health services are primarily covered by the MCOs, with approximately 75% of integrated health home (IHH) utilization provided by community mental health centers (CMHCs) being covered by MCOs, and approximately 92% of the utilization for the remaining services covered by the MCOs. Conversely, most I/DD services are covered under the FFS program, with only 2.2% of services covered by MCOs.

Children's services and HCBS are more evenly covered by the FFS and MCO populations. Over 70% of the FFS utilizers of in-scope children's services are children only eligible for early intervention benefits through an early intervention limited benefit eligibility pathway or children enrolled in the FFS Katie Beckett program. Similarly, approximately 75% of the FFS utilizers of HCBS are attributable to members dually eligible for Medicaid and Medicare coverage and not enrolled with an MCO. Effective October 1, 2018, Rhode Island ended the Rhody Health Options Unity program for adults receiving long-term services and supports (LTSS) through Medicaid, which consisted primarily of members dual-eligible for Medicaid and Medicare coverage. Many members enrolled in this program transitioned to FFS coverage with the end of the Rhody Health Options Unity program.

FIGURE 3: SFY 2022 AVERAGE UNIQUE MONTHLY UTILIZERS BY SERVICE CATEGORY



Notes:

- 1. Figure represents unique utilizers for each service category. To the extent a member utilized a service paid for by both the FFS program and an MCO in the same month, the member is counted once and included in the FFS allocation.
- 2. Self-directed services provided by the MCOs are not submitted as encounters and therefore MCO utilizers are not
- represented in Figure 3.
- 3. See the Methodology section for additional data caveats and limitations.

SFY 2017 THROUGH SFY 2022 UTILIZATION

Figure 4 and Figure 5 provide the average monthly unique utilizers and annual expenditures separately for the FFS and MCO delivery systems for each service category. This longitudinal view illustrates year-over-year trends for both service users and expenditures.

The SFY 2021 and SFY 2022 FFS expenditures include the following temporary enhanced rate funding for American Rescue Plan Act (ARPA) workforce development initiatives:³

- Home and community-based services. SFY 2022 FFS expenditures include an estimated \$30.8 million of enhanced reimbursement for home care agencies, home health, adult day care, habilitation group homes, and case management services.
- Children's services. SFY 2021 FFS expenditures for children's services include an estimated \$5.7 million of enhanced reimbursement for home-based therapeutic services (HBTS) and personal assistance service and supports (PASS).
- Behavioral health providers. SFY 2022 FFS expenditures include an estimated \$10.6 million of enhanced reimbursement for CMHCs and peer recovery programs.

In addition to the temporary FFS enhanced provider reimbursement rates, certain providers received funding through the managed care system or direct grants. This funding was distributed outside of FFS and MCO claims payment systems and is not included in the values presented in this report.

To the extent expenditure trends exceed utilizer trends, this indicates an increase in the cost per recipient for the services. ARPA workforce development initiatives represent a key contributor to the situations where this occurs in the figures below, along with I/DD rate increases effective July 2021.⁴

| Service Category | SFY 2017 Utilizers | SFY 2018 Utilizers | SFY 2019 Utilizers | SFY 2020 Utilizers | SFY 2021 Utilizers | SFY 2022 Utilizers | SFY 2017- 2018% Change | SFY 2018- 2019% Change | SFY 2019- 2020% Change | SFY 2020- 2021% Change | SFY 2021- 2022% Change |
|---------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|
| Behavioral H | ealth Provid | ers | | | | | | | | | |
| FFS | 1,733 | 1,849 | 2,470 | 2,853 | 2,990 | 2,801 | 6.7% | 33.6% | 15.5% | 4.8% | (6.3%) |
| мсо | 27,383 | 28,831 | 28,235 | 27,417 | 29,147 | 28,595 | 5.3% | (2.1%) | (2.9%) | 6.3% | (1.9%) |
| Composite | 29,074 | 30,613 | 30,615 | 30,150 | 31,946 | 31,276 | 5.3% | 0.0% | (1.5%) | 6.0% | (2.1%) |
| Children's Se | rvices | | | | | | | | | | |
| FFS | 1,660 | 1,614 | 1,502 | 1,423 | 1,334 | 1,313 | (2.8%) | (6.9%) | (5.3%) | (6.3%) | (1.5%) |
| мсо | 2,727 | 3,029 | 3,100 | 3,117 | 2,788 | 2,620 | 11.1% | 2.3% | 0.5% | (10.6%) | (6.0%) |
| Composite | 4,331 | 4,586 | 4,563 | 4,514 | 4,101 | 3,910 | 5.9% | (0.5%) | (1.1%) | (9.2%) | (4.6%) |
| HCBS | | | | | | | | | | | |
| FFS | 3,206 | 3,094 | 3,481 | 3,846 | 3,970 | 4,313 | (3.5%) | 12.5% | 10.5% | 3.2% | 8.7% |
| мсо | 7,333 | 7,175 | 7,028 | 6,199 | 6,362 | 6,579 | (2.1%) | (2.1%) | (11.8%) | 2.6% | 3.4% |
| Composite | 10,485 | 10,220 | 10,449 | 9,985 | 10,285 | 10,826 | (2.5%) | 2.2% | (4.4%) | 3.0% | 5.3% |
| Intellectual a | nd Developn | nental Disal | oility Servic | es | | | | | | | |
| FFS | 3,831 | 3,810 | 4,152 | 3,965 | 3,564 | 3,555 | (0.5%) | 9.0% | (4.5%) | (10.1%) | (0.3%) |
| мсо | 150 | 183 | 145 | 122 | 127 | 144 | 21.5% | (20.7%) | (15.7%) | 4.2% | 13.4% |
| Composite | 3,975 | 3,984 | 4,291 | 4,082 | 3,688 | 3,696 | 0.2% | 7.7% | (4.9%) | (9.7%) | 0.2% |

FIGURE 4: AVERAGE MONTHLY UTILIZATION METRICS BY FISCAL YEAR

Notes:

1. Members receiving FFS and MCO services are not mutually exclusive. Total unique utilizers are less than the sum of FFS and MCO unique utilizers.

2. See the Methodology section for additional data caveats and limitations.

³ Rhode Island Executive Office of Health and Human Services. (2023, January 17). *RI State Spending Narrative for ARPA HCBS FMAP: Quarterly Update – Submitted July 18, 2022.* Retrieved May 24, 2023, from https://eohhs.ri.gov/initiatives/hcbs-enhancement ⁴ Rhode Island BHDDH (July 1, 2021). *Comparison of BHDDH Rates Effective October 1, 2019 and July 1, 2021.* Retrieved from: https://bhddh.ri.gov/sites/g/files/xkgbur411/files/2021-07/BHDDH%20JULY%201%202021%20RATE%20INCREASE%20.pdf

| Service Category | SFY 2017 (\$Millions) | SFY 2018 (\$Millions) | SFY 2019 (\$Millions) | SFY 2020 (\$Millions) | SFY 2021 (\$Millions) | SFY 2022 (\$Millions) | SFY 2017- 2018% Change | SFY 2018- 2019% Change | SFY 2019- 2020% Change | SFY 2020- 2021% Change | SFY 2021- 2022% Change |
|---------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|
| Behavioral He | ealth Provide | rs | | | | | | | | | |
| FFS | \$ 22.3 | \$ 24.0 | \$ 29.6 | \$ 33.7 | \$ 34.8 | \$ 45.5 | 7.4% | 23.4% | 13.7% | 3.4% | 30.8% |
| MCO | 130.2 | 143.7 | 138.1 | 130.8 | 140.0 | 145.4 | 10.3% | (3.9%) | (5.3%) | 7.1% | 3.8% |
| Total | \$ 152.5 | \$ 167.6 | \$ 167.7 | \$ 164.4 | \$ 174.8 | \$ 190.9 | 9.9% | 0.0% | (1.9%) | 6.3% | 9.2% |
| Children's Se | ervices | | | | | | | | | | |
| FFS | \$ 21.3 | \$ 20.5 | \$ 19.0 | \$ 16.0 | \$ 19.4 | \$ 15.9 | (3.8%) | (7.0%) | (16.0%) | 21.4% | (18.2%) |
| MCO | 21.9 | 25.6 | 29.7 | 27.9 | 27.1 | 28.3 | 16.9% | 15.9% | (5.8%) | (3.2%) | 4.6% |
| Total | \$ 43.2 | \$ 46.1 | \$ 48.7 | \$ 43.9 | \$ 46.5 | \$ 44.2 | 6.7% | 5.7% | (9.8%) | 5.8% | (4.9%) |
| HCBS | | | | | | | | | | | |
| FFS | \$ 50.0 | \$ 47.5 | \$ 60.8 | \$ 75.7 | \$ 83.3 | \$ 124.8 | (4.9%) | 27.9% | 24.5% | 10.0% | 49.9% |
| MCO | 48.8 | 42.7 | 46.9 | 51.1 | 53.7 | 56.6 | (12.6%) | 10.0% | 8.8% | 5.1% | 5.4% |
| Total | \$ 98.8 | \$ 90.2 | \$ 107.7 | \$ 126.8 | \$ 137.0 | \$ 181.4 | (8.7%) | 19.5% | 17.7% | 8.1% | 32.5% |
| Intellectual a | nd Developme | ental Disabil | ity Services | | | | | | | | |
| FFS | \$ 211.6 | \$ 225.0 | \$ 238.6 | \$ 240.1 | \$ 233.0 | \$ 281.6 | 6.4% | 6.0% | 0.6% | (2.9%) | 20.8% |
| MCO | 0.8 | 1.1 | 0.9 | 0.7 | 0.8 | 0.8 | 28.4% | (19.5%) | (14.3%) | 3.2% | 10.6% |
| Total | \$ 212.4 | \$ 226.1 | \$ 239.5 | \$ 240.8 | \$ 233.8 | \$ 282.4 | 6.5% | 5.9% | 0.6% | (2.9%) | 20.8% |

FIGURE 5: ANNUAL EXPENDITURE METRICS BY FISCAL YEAR

Notes:

1. See the Methodology section for additional data caveats and limitations.

Unique utilizers of children's services decreased in both the FFS and Medicaid managed care programs from SFY 2020 to SFY 2022, whereas unique utilizers of HCBS increased in both programs during this same period. This observation is indicative of the systemic influence COVID-19 had on service utilization over the past several years. FFS and MCO HCBS utilization and expenditures are also influenced by the termination of the Rhody Health Options Unity program on October 1, 2018, as members from this program transitioned to FFS or the Rhode Health Options Integrity/Medicare-Medicaid Plan (MMP) managed care program.

As illustrated in Appendix 1, increases in FFS utilization for behavioral health providers are primarily attributable to CMHC services such as integrated health homes (IHH), assertive community treatment (ACT) programs, and other CMHC services, while trends in the managed care program are influenced by various mental health and substance use services. Decreases in utilization of I/DD services are consistently observed across the service categories between SFY 2019 and SFY 2022, with an observed increase in self-directed services.

As previously mentioned, FFS expenditures in SFY 2021 and SFY 2022 were impacted by ARPA workforce development initiatives and I/DD rate changes, which influence year-over-year comparisons. Annualized SFY 2017 to SFY 2022 MCO expenditures changes varied from approximately 2% to 6%, with the exception of MCO I/DD services which have limited volume, indicating moderate utilization and cost per utilizer changes from SFY 2017 to SFY 2022.

Appendix 1 and Appendix 2 provide similar information as that presented in Figure 4 and Figure 5, respectively, at a detailed service category level. The data book provides this information at the provider type, procedure code, and modifier level of detail by state fiscal year and by month.

Methodology

This report provides an analysis of utilization and expenditure information from SFY 2017 through SFY 2022. This section outlines the data, service category logic, and data redaction methodologies underlying this report.

DATA

We used FFS claims and MCO encounters contained in the MMIS data provided by EOHHS on July 15, 2023, as the primary data sources for the analysis of SFY 2020 through SFY 2022. ARPA workforce development funding distributed through FFS claims payments are included in the paid amounts illustrated in this report. We used a Medicaid dataset provided by EOHHS on May 2, 2023, for SFY 2017 through SFY 2019 data.

The MCO encounter data consists of encounters from the Medicaid managed care program covering RIte Care children and adults, Children with Special Healthcare Needs, and Rhody Health Partners populations, as well as Rhody Health Options Unity encounters and MMP encounters. Known limitations with the MCO encounter data include missing data and the assignment of provider type. Recent data quality reporting indicates the encounter data is generally between 96% and 100% complete, but this completion percentage can vary by time period, MCO, and type of service. The remainder of MCO encounters are considered missing data and represent services provided by the MCOs that are not accepted into the state's encounter data warehouse. We did not include an adjustment for missing encounter data in this report. The MCO encounter provider type assignment is discussed in more detail in the Service Category Logic section below.

The non-MMIS data summarized in Appendix 4 and Appendix 5 was gathered using data requests to Rhode Island state agencies. The state agencies used their data management systems to provide summary-level utilization and expenditure information. Depending on the data provided by the state agency, utilization information may represent services or other metrics other than unique utilizers. Key assumptions and data limitations are outlined in Appendix 4 and Appendix 5.

SERVICE CATEGORY LOGIC

The services reviewed in this report are consistent with the scope of services outlined in the Reimbursement Rates Report. Certain procedure codes are in the data book included with this report that were not in the Reimbursement Rates report due to there being no reimbursement rate listed on the Rhode Island Medicaid fee schedule. These codes were added to fully reflect the FFS and MCO utilization of services, and include codes solely used by the MCOs and FFS codes with manually priced reimbursement.

The methodology to assign claims and encounter data to a service category is consistent with the methodology used in the Reimbursement Rates report. Appendix 3 illustrates the provider type to service category crosswalk underlying this analysis. We observed situations where the provider type on the MCO encounter data is not consistently populated. Given this data limitation, we used the following hierarchical steps to assign provider type:

- 1. Limit MCO encounters to procedure codes that exist in Appendix 1 of the Reimbursement Rates Report
- 2. If a procedure code/modifier combination appears only under a single provider type in the FFS program, any encounter data with that procedure code/modifier is assigned that same provider type
- 3. Assign the provider type that corresponds to the FFS provider type with a matching National Provider Identifier (NPI) and procedure code with the most FFS expenditures in SFY 2022
- 4. Assign the provider type that corresponds to the FFS provider type with a matching Federal Employer Identification Number (FEIN) and procedure code with the most FFS expenditures in SFY 2022
- 5. Assign the provider type that corresponds to the FFS provider type with a matching NPI with the most FFS expenditures in SFY 2022
- 6. Assign the provider type that corresponds to the FFS provider type with a matching FEIN with the most FFS expenditures in SFY 2022
- 7. Assign the provider type currently on the encounter claim

In addition, to the extent that a provider type/procedure code/modifier combination does not exist in the FFS program after this assignment process, we assign the expenditures and utilization to the most similar provider type/procedure code/modifier combination. For example, MCO encounter data may contain additional modifiers that are unused in the FFS program. These encounters are included with the procedure-code-level data without modifiers in these instances.

This methodology was performed to improve the accuracy and robustness of the MCO encounter data provider type to better reflect the scope of services provided in the Medicaid managed care program. This process is inherently unable to address all potential issues with the MCO encounter data. We relied upon the FFS and encounter data received and accepted it without audit. To the extent that there remain other data inconsistencies, errors, or omissions, the values provided in this report may likewise be inaccurate or incomplete. We expect further refinement to the process may occur as results of this and other social and human service programs reports are reviewed with stakeholders.

DATA REDACTION

The MCO expenditure data provided with the Excel data book is redacted unless the data is supported by at least 10 unique utilizers. This data redaction is to prevent cost per unit information from being inferred from the provided data. Annual figures where monthly values are also available for all but one month are also redacted so that the data for the redacted month cannot be calculated.

Conclusion

The delivery of social and human service programs in Rhode Island varies by service and population, with behavioral services primarily covered by Medicaid MCOs, I/DD services being covered in the FFS program, and children's services and HCBS being covered by a combination of the two. While behavioral health services are the highest utilized social and human service reviewed in this report, with approximately 30,000 average monthly Medicaid recipients, the highest expenditure volume is associated with I/DD services. This report helps identify the number of Medicaid members and volume of Medicaid expenditures that may be influenced by any changes proposed to social and human service programs. In addition, this report and the underlying data may be utilized to support Rhode Island state agencies in developing the fiscal impact estimates required by RIGL § 42-14.5-3(u) based on OHIC rate recommendations.

Limitations and data reliance

The information contained in this correspondence, including any enclosures, has been prepared for the State of Rhode Island, Office of the Health Insurance Commissioner (OHIC) and their advisors. Milliman's work is prepared solely for the use and benefit of the OHIC in accordance with its statutory and regulatory requirements. Milliman recognizes this report will be public record subject to disclosure to third parties, however, Milliman does not intend to benefit and assumes no duty or liability to any third parties who receive Milliman's work. To the extent that the information contained in this correspondence is provided to any third parties, the correspondence should be distributed in its entirety.

Milliman has developed certain models to estimate the values included in this correspondence. The intent of the models was to summarize Medicaid fee-for-service and managed care expenditures and utilization for SFY 2017 through SFY 2022 to understand the trends and patterns for services subject to the social and human service programs review. We have reviewed the models, including their inputs, calculations, and outputs for consistency, reasonableness, and appropriateness to the intended purpose and in compliance with generally accepted actuarial practice and relevant actuarial standards of practice (ASOP). The models rely on data and information as input to the models. We have relied upon certain data and information provided by OHIC for this purpose and accepted it without audit. To the extent that the data and information provided is not accurate, or is not complete, the values provided in this correspondence may likewise be inaccurate or incomplete. Milliman's data and information reliance includes the sources discussed in this correspondence. The models, including all input, calculations, and output, may not be appropriate for any other purpose.

Guidelines issued by the American Academy of Actuaries require actuaries to include their professional qualifications in all actuarial communications. Jason Clarkson, Ian McCulla, and Zach Hunt are members of the American Academy of Actuaries and meet the qualification standards for performing the analyses in this report.

APPENDIX 1: Monthly Average Unique Utilizers by Detailed Service Category and State Fiscal Year

| State of Rhode Island Office of the Health Insurance Commissioner Appendix 1 | | | | | | | | | | | | |
|--|--------|-------|-------------|--------|---------------------|--------------|-----------|--------|--------|--------------|-----------|--------|
| | | | | | ge Unique Utilizers | | | | | | | |
| | мсо | SFY 2 | | % FF0 | мсо | SFY 2 FFS | | 0/ FEO | мсо | SFY 2 FFS | | 0/ FF0 |
| Behavioral Health Providers | MCO | FFS | Composite | % FFS | MCO | FF3 | Composite | % FFS | MCO | FFS | Composite | % FFS |
| BHDDH Behavioral Health Group | 10.238 | 297 | 10.533 | 2.8% | 9.383 | 304 | 9.684 | 3.1% | 9,164 | 382 | 9.542 | 4.0% |
| Children's Behavioral Health Group | 6,272 | 25 | 6,296 | 0.4% | 6,120 | 25 | 6.144 | 0.4% | 6,189 | 31 | 6,220 | 0.5% |
| CMHC - ACT | 667 | 173 | 840 | 20.6% | 733 | 177 | 910 | 19.4% | 725 | 263 | 988 | 26.6% |
| CMHC - IHH | 4,319 | 953 | 5,271 | 18.1% | 4,951 | 976 | 5,925 | 16.5% | 4,686 | 1,302 | 5,985 | 21.7% |
| CMHC - MHPRR | 218 | 93 | 311 | 29.8% | 259 | 100 | 359 | 27.8% | 233 | 130 | 362 | 35.8% |
| CMHC - Other | 1,387 | 238 | 1,623 | 14.7% | 1,334 | 233 | 1,565 | 14.9% | 1,110 | 272 | 1,380 | 19.7% |
| Emergency Behavioral Health Service | 203 | - | 203 | 0.0% | 255 | - | 255 | 0.0% | 394 | 16 | 401 | 4.1% |
| Licensed Therapist | 2,455 | 6 | 2,462 | 0.3% | 3,478 | 7 | 3,485 | 0.2% | 3,564 | 5 | 3,569 | 0.1% |
| Other Therapies | 2,131 | 136 | 2,257 | 6.0% | 2,146 | 136 | 2,274 | 6.0% | 1,795 | 180 | 1,970 | 9.2% |
| Peer Recovery Services | 324 | - | 324 | 0.0% | 346 | - | 346 | 0.0% | 298 | - | 298 | 0.0% |
| Psychologist | 61 | 1 | 61 | 1.4% | 78 | 1 | 79 | 1.5% | 352 | 2 | 354 | 0.7% |
| Substance Use Rehabilitation | 5,369 | 222 | 5,581 | 4.0% | 6,812 | 303 | 7,093 | 4.3% | 6,778 | 432 | 7,184 | 6.0% |
| Behavioral Health Providers - Composite | 27,383 | 1,733 | 29,074 | 6.0% | 28,831 | 1,849 | 30,613 | 6.0% | 28,235 | 2,470 | 30,615 | 8.1% |
| Children's Services | | | | | | | | | | | | |
| Cedar | - | 87 | 87 | 100.0% | - | 80 | 80 | 100.0% | 20 | 27 | 47 | 57.0% |
| CRAFT | 7 | 17 | 24 | 69.6% | - | 17 | 17 | 99.5% | - | 16 | 16 | 97.5% |
| Early Intervention | 1,823 | 666 | 2,471 | 26.9% | 1,919 | 703 | 2,601 | 27.0% | 1,791 | 659 | 2,436 | 27.1% |
| Home/Center-Based Therapeutic Services | 1,282 | 897 | 2,155 | 41.6% | 1,331 | 820 | 2,135 | 38.4% | 1,445 | 806 | 2,232 | 36.1% |
| Children's Services - Composite | 2,727 | 1,660 | 4,331 | 38.3% | 3,029 | 1,614 | 4,586 | 35.2% | 3,100 | 1,502 | 4,563 | 32.9% |
| нсвя | | | | | | | | | | | | |
| Adult Day Care | 696 | 492 | 1,186 | 41.5% | 779 | 470 | 1.248 | 37.7% | 787 | 522 | 1,308 | 39.9% |
| Assisted Living Facility | 228 | 242 | 470 | 51.5% | 202 | 243 | 443 | 54.8% | 239 | 333 | 572 | 58.3% |
| Case Management | 4,840 | 1,074 | 5,895 | 18.2% | 4,881 | 1,156 | 6,011 | 19.2% | 4,526 | 1,378 | 5,877 | 23.5% |
| Day Habilitation | 4,040 | 9 | 0,090 10 | 90.2% | 4,001 | 4 | 9 | 42.7% | 4,520 | 1,570 | 5,077 | 52.8% |
| Home Care | 1,740 | 1,643 | 3,382 | 48.6% | 1,378 | 1,476 | 2,853 | 51.7% | 1,614 | 1,433 | 3,046 | 47.0% |
| Home Health | 19 | 102 | 121 | 84.5% | 19 | 78 | 97 | 80.4% | 22 | 67 | 89 | 75.0% |
| Home Meal Delivery | 152 | 124 | 276 | 44.9% | 136 | 94 | 229 | 40.9% | 95 | 111 | 206 | 54.0% |
| Hospice | 14 | 20 | 34 | 58.6% | 11 | 16 | 26 | 59.6% | 15 | 26 | 41 | 63.2% |
| Independent Provider | - | - | - | | - | - | | | - | _ ` | - | |
| Personal Choice/Hab Case Management | 144 | 178 | 322 | 55.2% | 134 | 163 | 297 | 55.0% | 93 | 251 | 343 | 73.0% |
| Self-Directed Community Services | 14 | 195 | 210 | 93.1% | 15 | 177 | 193 | 92.2% | 19 | 261 | 280 | 93.3% |
| Shared Living Agency | 97 | 39 | 136 | 28.8% | 125 | 36 | 161 | 22.5% | 154 | 87 | 241 | 36.2% |
| Severely Disabled Nursing Homecare | 21 | 97 | 118 | 82.4% | 23 | 86 | 110 | 78.8% | 22 | 76 | 98 | 77.5% |
| Waiver Case Manager - Other | 14 | 16 | 30 | 52.2% | 21 | 20 | 41 | 48.3% | 24 | 29 | 53 | 54.9% |
| HCBS - Composite | 7,333 | 3,206 | 10,485 | 30.6% | 7,175 | 3,094 | 10,220 | 30.3% | 7,028 | 3,481 | 10,449 | 33.3% |
| Intellectual and Developmental Disability Services | | | | | | | | | | | | |
| BHDDH - Case Management | - | 3,387 | 3,387 | 100.0% | _ | 3,397 | 3,397 | 100.0% | _ | 3,486 | 3,486 | 100.0% |
| BHDDH - Day Program | _ | 3.038 | 3,038 | 100.0% | _ | 3.035 | 3,035 | 100.0% | _ | 3,054 | 3.054 | 100.0% |
| BHDDH - Employment-Based | _ | 585 | 585 | 100.0% | _ | 741 | 741 | 100.0% | _ | 800 | 800 | 100.0% |
| BHDDH - Ind. Living Only | - | 120 | 120 | 100.0% | - | 125 | 125 | 100.0% | - | 131 | 131 | 100.0% |
| BHDDH - Independent Living or Family Supports | - | 1,196 | 1,196 | 100.0% | - | 1,195 | 1,195 | 100.0% | - | 1,258 | 1,258 | 100.0% |
| BHDDH - Other | 84 | 771 | 855 | 90.2% | 90 | 798 | 888 | 89.9% | 70 | 831 | 901 | 92.2% |
| BHDDH - Prevocational Training | - | 184 | 184 | 100.0% | - | 238 | 238 | 100.0% | - | 340 | 340 | 100.0% |
| BHDDH - Residential Habilitation | 67 | 1,451 | 1,518 | 95.6% | 93 | 1,440 | 1,533 | 94.0% | 75 | 1,436 | 1,511 | 95.0% |
| BHDDH - Self-Directed Services | - | 825 | 825 | 100.0% | - | 735 | 735 | 100.0% | - | 760 | 760 | 100.0% |
| BHDDH - Transportation | - | 1,862 | 1,862 | 100.0% | - | 1,656 | 1,656 | 100.0% | - | 1,673 | 1,673 | 100.0% |
| Home Care | - | 385 | 385 | 100.0% | - | 344 | 344 | 100.0% | - | 599 | 599 | 100.0% |
| I/DDS - Composite | 150 | 3,831 | 3,975 | 96.4% | 183 | 3,810 | 3,984 | 95.6% | 145 | 4,152 | 4,291 | 96.8% |

 Notes:

 1.
 Utilizers between detailed service categories are not mutually exclusive.

 2.
 See the Methodology section of attached report for additional data caveats and limitations.

 3.
 Values have been rounded to the nearest integer.

| State of Rhode Island Office of the Health Insurance Commissioner Appendix 1 | | | | | | | | | | | | |
|--|--------|-------|-----------|---------------|---------------------|-------|-----------|--------|--------|-------|-----------|------------------------|
| | | | | Nonthly Avera | ge Unique Utilizers | | | | | | | |
| | MCO | SFY 2 | | % FF0 | | SFY 2 | | 0/ FF0 | 1400 | SFY 2 | | 0/ FF0 |
| Behavioral Health Providers | MCO | FFS | Composite | % FFS | MCO | FFS | Composite | % FFS | MCO | FFS | Composite | % FFS |
| BHDDH Behavioral Health Group | 9,249 | 454 | 9,700 | 4.7% | 10,408 | 351 | 10,757 | 3.3% | 9,310 | 297 | 9,605 | 3.1% |
| Children's Behavioral Health Group | 6,141 | 23 | 6,163 | 0.4% | 6,348 | 15 | 6,363 | 0.2% | 6,702 | 15 | 6,716 | 0.2% |
| CMHC - ACT | 768 | 339 | 1,106 | 30.7% | 879 | 401 | 1,280 | 31.3% | 940 | 397 | 1,337 | 29.7% |
| CMHC - IHH | 4,675 | 1,546 | 6,219 | 24.9% | 5,003 | 1,706 | 6,707 | 25.4% | 5,010 | 1,680 | 6,688 | 25.1% |
| CMHC - MHPRR | 221 | 153 | 373 | 40.9% | 228 | 164 | 391 | 41.9% | 246 | 151 | 397 | 38.1% |
| CMHC - Other | 1,047 | 301 | 1,348 | 22.4% | 992 | 317 | 1,307 | 24.3% | 949 | 291 | 1,238 | 23.5% |
| Emergency Behavioral Health Service | 438 | 59 | 478 | 12.4% | 399 | 86 | 472 | 18.3% | 424 | 88 | 498 | 17.7% |
| Licensed Therapist | 3,607 | 4 | 3,611 | 0.1% | 2,826 | 4 | 2,830 | 0.1% | 3,371 | 3 | 3,375 | 0.1% |
| Other Therapies | 1,418 | 153 | 1,566 | 9.8% | 1,306 | 100 | 1,403 | 7.1% | 1,390 | 123 | 1,509 | 8.1% |
| Peer Recovery Services | 184 | 26 | 208 | 12.6% | 104 | 181 | 279 | 64.8% | 16 | 71 | 87 | 81.8% |
| Psychologist | 319 | 2 | 321 | 0.7% | 279 | 5 | 284 | 1.6% | 300 | 11 | 311 | 3.5% |
| Substance Use Rehabilitation | 6,137 | 450 | 6,566 | 6.9% | 7,316 | 272 | 7,580 | 3.6% | 6,061 | 210 | 6,267 | 3.3% |
| Behavioral Health Providers - Composite | 27,417 | 2,853 | 30,150 | 9.5% | 29,147 | 2,990 | 31,946 | 9.4% | 28,595 | 2,801 | 31,276 | 9.0% |
| Children's Services | | | | | | | | | | | | |
| Cedar | 50 | 13 | 63 | 21.3% | 61 | 22 | 83 | 26.9% | 63 | 12 | 76 | 16.4% |
| CRAFT | - | 16 | 16 | 97.4% | - | 17 | 17 | 97.5% | - | 16 | 16 | 99.0% |
| Early Intervention | 1,623 | 693 | 2,302 | 30.1% | 1,365 | 671 | 2,024 | 33.1% | 1,359 | 686 | 2,032 | 33.8% |
| Home/Center-Based Therapeutic Services | 1,583 | 705 | 2,279 | 31.0% | 1,464 | 631 | 2,088 | 30.2% | 1,310 | 604 | 1,906 | 31.7% |
| Children's Services - Composite | 3,117 | 1,423 | 4,514 | 31.5% | 2,788 | 1,334 | 4,101 | 32.5% | 2,620 | 1,313 | 3,910 | 33.6% |
| нсвя | | | | | | | | | | | | |
| Adult Day Care | 663 | 502 | 1,164 | 43.1% | 319 | 260 | 579 | 44.9% | 605 | 440 | 1,045 | 42.2% |
| Assisted Living Facility | 235 | 407 | 642 | 63.3% | 184 | 455 | 640 | 71.2% | 102 | 546 | 648 | 42.2 <i>%</i> 84.2% |
| Case Management | 3.626 | 1,500 | 5,112 | 29.4% | 3,951 | 1,509 | 5,447 | 27.7% | 4,087 | 1,536 | 5,605 | 27.4% |
| Day Habilitation | 4 | 1,000 | 9 | 55.9% | 4 | 4 | 8 | 50.5% | 5 | 5 | 10 | 48.2% |
| Home Care | 1.815 | 1.725 | 3.537 | 48.8% | 1.902 | 1.947 | 3.844 | 50.6% | 1.829 | 1.880 | 3.705 | 50.7% |
| Home Health | 28 | 72 | 100 | 72.4% | 28 | 82 | 110 | 74.7% | 12 | 89 | 100 | 88.2% |
| Home Meal Delivery | 80 | 119 | 199 | 59.8% | 88 | 145 | 233 | 62.3% | 111 | 157 | 269 | 58.6% |
| Hospice | 15 | 26 | 40 | 63.8% | 11 | 22 | 34 | 66.4% | 12 | 26 | 37 | 68.6% |
| Independent Provider | - | - | - | | - | 13 | 13 | 100.0% | - | 63 | 63 | 100.0% |
| Personal Choice/Hab Case Management | 92 | 314 | 406 | 77.3% | 113 | 342 | 455 | 75.1% | 158 | 448 | 607 | 73.9% |
| Self-Directed Community Services | 27 | 318 | 345 | 92.2% | 14 | 330 | 344 | 95.9% | 12 | 388 | 400 | 97.0% |
| Shared Living Agency | 178 | 138 | 317 | 43.7% | 162 | 172 | 334 | 51.6% | 172 | 217 | 390 | 55.8% |
| Severely Disabled Nursing Homecare | 23 | 72 | 95 | 76.1% | 18 | 68 | 86 | 79.0% | 16 | 73 | 88 | 82.5% |
| Waiver Case Manager - Other | 15 | 28 | 43 | 64.7% | 12 | 26 | 37 | 69.1% | 11 | 20 | 31 | 65.3% |
| HCBS - Composite | 6,199 | 3,846 | 9,985 | 38.5% | 6,362 | 3,970 | 10,285 | 38.6% | 6,579 | 4,313 | 10,826 | 39.8% |
| Intellectual and Developmental Disability Services | | | | | | | | | | | | |
| BHDDH - Case Management | - | 3,507 | 3,507 | 100.0% | - | 3,404 | 3,404 | 100.0% | - | 3,444 | 3,444 | 100.0% |
| BHDDH - Day Program | - | 2.841 | 2,841 | 100.0% | - | 2,382 | 2,382 | 100.0% | - | 2,543 | 2.543 | 100.0% |
| BHDDH - Employment-Based | - | 624 | 624 | 100.0% | - | 454 | 454 | 100.0% | - | 457 | 457 | 100.0% |
| BHDDH - Ind. Living Only | - | 123 | 123 | 100.0% | - | 119 | 119 | 100.0% | - | 118 | 118 | 100.0% |
| BHDDH - Independent Living or Family Supports | - | 1,168 | 1,168 | 100.0% | - | 1,001 | 1,001 | 100.0% | - | 978 | 978 | 100.0% |
| BHDDH - Other | 58 | 837 | 896 | 93.5% | 60 | 785 | 845 | 92.9% | 70 | 922 | 991 | 93.0% |
| BHDDH - Prevocational Training | - | 191 | 191 | 100.0% | - | 76 | 76 | 100.0% | - | 63 | 63 | 100.0% |
| BHDDH - Residential Habilitation | 64 | 1,434 | 1,498 | 95.7% | 68 | 1,428 | 1,495 | 95.5% | 75 | 1,425 | 1,499 | 95.0% |
| BHDDH - Self-Directed Services | - | 796 | 796 | 100.0% | - | 860 | 860 | 100.0% | - | 984 | 984 | 100.0% |
| BHDDH - Transportation | - | 1,378 | 1,378 | 100.0% | - | 935 | 935 | 100.0% | - | 1,154 | 1,154 | 100.0% |
| Home Care | - | 396 | 396 | 100.0% | - | 114 | 114 | 100.0% | - | 76 | 76 | 100.0% |
| I/DDS - Composite | 122 | 3,965 | 4,082 | 97.1% | 127 | 3,564 | 3,688 | 96.7% | 144 | 3,555 | 3,696 | 96.2% |

 Notes:

 1.
 Utilizers between detailed service categories are not mutually exclusive.

 2.
 See the Methodology section of attached report for additional data caveats and limitations.

 3.
 Values have been rounded to the nearest integer.

APPENDIX 2: Monthly Average Expenditures by Detailed Service Category and State Fiscal Year

8/30/2023

| State of Rhode Island Office of the Health Insurance Commissioner | | | | | | | | | | | | |
|--|----------------|---------------------------|----------------|----------------------------|----------------------------|----------------------|----------------------------|--------|----------------|----------------|----------------------------|---------|
| | | | Office | of the Health Ins Apper | | ner | | | | | | |
| | | | | Annual Ex | | | | | | | | |
| | | | 2017 | | | | 2018 | | | | 2019 | |
| Dahardanal Haalik Durridana | MCO | FFS | Composite | % FFS | MCO | FFS | Composite | % FFS | MCO | FFS | Composite | % FFS |
| Behavioral Health Providers BHDDH Behavioral Health Group | \$ 16,719,687 | \$ 396.839 | \$ 17,116,525 | 2.3% | \$ 15,796,912 | \$ 383.557 | \$ 16,180,470 | 2.4% | \$ 15,385,060 | \$ 509.175 | \$ 15,894,235 | 3.2% |
| Children's Behavioral Health Group | 17,900,837 | \$ 390,839 37.255 | 17,938,092 | 0.2% | 19,236,138 | \$ 383,337 41,485 | 19.277.623 | 0.2% | 21,111,033 | 56.788 | 21.167.821 | 0.3% |
| CMHC - ACT | 9,700,687 | 2,534,007 | 12,234,694 | 20.7% | 10,714,796 | 2,601,751 | 13,316,547 | 19.5% | 10,674,245 | 3,850,043 | 14,524,287 | 26.5% |
| CMHC - IHH | 22,567,695 | 4.734.619 | 27.302.314 | 17.3% | 25,572,371 | 4.866.384 | 30.438.755 | 16.0% | 23.511.748 | 6.470.206 | 29.981.953 | 21.6% |
| CMHC - MHPRR | 9,532,203 | 3.994.989 | 13.527.192 | 29.5% | 11,256,391 | 4,800,384 | 15,512,126 | 27.4% | 9,877,314 | 5.546.345 | 15.423.659 | 36.0% |
| CMHC - Other | 13,648,382 | 8,327,372 | 21.975.754 | 37.9% | 14,401,045 | 8,720,876 | 23.121.921 | 37.7% | 11,831,689 | 9.569.445 | 21.401.134 | 44.7% |
| Emergency Behavioral Health Service | 2,004,250 | 0,527,572 | 2,004,250 | 0.0% | 2,895,911 | 0,720,070 | 2.895.911 | 0.0% | 2,464,200 | 96.330 | 2,560,530 | 3.8% |
| Licensed Therapist | 4.690.926 | 39.151 | 4.730.077 | 0.8% | 6.592.769 | 45.047 | 6.637.816 | 0.7% | 6.928.780 | 25.382 | 6.954.162 | 0.4% |
| Other Therapies | 4,117,479 | 296,094 | 4,413,572 | 6.7% | 4,498,838 | 316,695 | 4,815,534 | 6.6% | 4,030,998 | 494,172 | 4,525,171 | 10.9% |
| Peer Recovery Services | 338,899 | - | 338.899 | 0.0% | 581,919 | - | 581,919 | 0.0% | 492,598 | | 492.598 | 0.0% |
| Psychologist | 124,359 | 999 | 125,359 | 0.8% | 246,554 | 1.300 | 247.854 | 0.5% | 2,343,717 | 5.596 | 2.349.312 | 0.2% |
| Substance Use Rehabilitation | 28.867.043 | 1,963,307 | 30.830.350 | 6.4% | 31,869,586 | 2.753.006 | 34.622.591 | 8.0% | 29,444,281 | 2,976,258 | 32.420.539 | 9.2% |
| Behavioral Health Providers - Composite | \$ 130,212,448 | | \$ 152,537,079 | 14.6% | \$ 143,663,230 | , , | | 14.3% | \$ 138,095,662 | \$ 29,599,739 | | 17.7% |
| Denavioral freatur roviders - composite | φ 100,212,440 | Ψ 22,52 4 ,652 | ψ 102,007,070 | 14.070 | φ 1 4 0,000,200 | φ 20,000,000 | φ 107,0 4 3,000 | 14.570 | ψ 100,000,002 | φ 23,033,733 | φ 107,030, 4 01 | 11.1 /0 |
| Children's Services | | | | | | | | | | | | |
| Cedar | \$ 0 | \$ 964,871 | \$ 964,871 | 100.0% | \$ 0 | \$ 643,350 | \$ 643,350 | 100.0% | \$ 123,287 | \$ 164,575 | \$ 287,862 | 57.2% |
| CRAFT | 233,108 | 3,034,199 | 3,267,307 | 92.9% | 11,660 | 3,062,009 | 3,073,669 | 99.6% | 30,343 | 3,039,165 | 3,069,508 | 99.0% |
| Early Intervention | 10,713,728 | 3,368,201 | 14,081,929 | 23.9% | 9,814,039 | 3,507,210 | 13,321,249 | 26.3% | 9,470,860 | 3,154,120 | 12,624,981 | 25.0% |
| Home/Center-Based Therapeutic Services | 10,946,452 | 13,739,313 | 24,685,765 | 55.7% | 15,774,146 | 13,162,967 | 28,937,113 | 45.5% | 20,040,433 | 12,681,167 | 32,721,600 | 38.8% |
| Children's Services - Composite | \$ 21,893,288 | \$ 21,106,584 | \$ 42,999,872 | 49.1% | \$ 25,599,845 | \$ 20,375,536 | \$ 45,975,381 | 44.3% | \$ 29,664,922 | \$ 19,039,028 | \$ 48,703,950 | 39.1% |
| нсвѕ | | | | | | | | | | | | |
| Adult Day Care | \$ 7,496,649 | \$ 4,568,140 | \$ 12,064,789 | 37.9% | \$ 8,568,302 | \$ 4,349,275 | \$ 12,917,577 | 33.7% | \$ 8,654,915 | \$ 5,245,125 | \$ 13.900.040 | 37.7% |
| Adult Day Gale | 4,218,688 | 2,877,281 | 7,095,969 | 40.5% | 3,980,637 | 2,955,166 | 6,935,803 | 42.6% | 5,082,927 | 6,564,124 | 11,647,051 | 56.4% |
| Case Management | 2,006,341 | 1,472,475 | 3,478,816 | 42.3% | 2,215,343 | 1,682,433 | 3,897,776 | 43.2% | 2,116,191 | 2,046,885 | 4,163,076 | 49.2% |
| Day Habilitation | 40,511 | 728,202 | 768,713 | 94.7% | 408,464 | 363,174 | 771,638 | 47.1% | 304,945 | 377,366 | 682,311 | 55.3% |
| Home Care | 30,288,265 | 26,126,752 | 56,415,016 | 46.3% | 22,259,043 | 24,986,243 | 47,245,286 | 52.9% | 25,902,610 | 27,814,592 | 53,717,201 | 51.8% |
| Home Health | 28,038 | 518,199 | 546,237 | 94.9% | 44,995 | 395,773 | 440,768 | 89.8% | 47,935 | 550,831 | 598,766 | 92.0% |
| Home Meal Delivery | 184,027 | 140,554 | 324,581 | 43.3% | 145,746 | 97.235 | 242,981 | 40.0% | 116.102 | 178.214 | 294,316 | 60.6% |
| Hospice | 551,497 | 977,132 | 1,528,630 | 63.9% | 450,158 | 736,853 | 1,187,012 | 62.1% | 636,317 | 1,506,718 | 2,143,035 | 70.3% |
| Independent Provider | | 577,152 | 1,520,000 | 00.070 | | - | 1,107,012 | 02.170 | - | 1,000,710 | 2,140,000 | 10.070 |
| Personal Choice/Hab Case Management | 217,001 | 259,666 | 476,667 | 54.5% | 202,255 | 254,415 | 456,670 | 55.7% | 140,625 | 398,815 | 539,440 | 73.9% |
| Self-Directed Community Services | 158,868 | 6,267,996 | 6,426,864 | 97.5% | 179,953 | 6,031,961 | 6,211,914 | 97.1% | 195,444 | 8,279,864 | 8,475,308 | 97.7% |
| Shared Living Agency | 1,395,040 | 1,063,807 | 2,458,846 | 43.3% | 1,810,887 | 971,279 | 2,782,166 | 34.9% | 1,646,681 | 2,276,898 | 3,923,579 | 58.0% |
| 8 8 9 | | | | | | | | | | | | |
| Severely Disabled Nursing Homecare | 2,166,649 | 4,493,732 | 6,660,382 | 67.5% | 2,350,225 | 4,199,816 | 6,550,041 | 64.1% | 2,064,751 | 5,073,740 | 7,138,491 | 71.1% |
| Waiver Case Manager - Other | 35,940 | 482,777 | 518,717 | 93.1% | 40,877 | 497,934 | 538,811 | 92.4% | 32,606 | 479,309 | 511,915 | 93.6% |
| HCBS - Composite | \$ 48,787,516 | \$ 49,976,711 | \$ 98,764,227 | 50.6% | \$ 42,656,887 | \$ 47,521,557 | \$ 90,178,444 | 52.7% | \$ 46,942,048 | \$ 60,792,481 | \$ 107,734,529 | 56.4% |
| Intellectual and Developmental Disability Services | | | | | | | | | | | | |
| BHDDH - Case Management | - | 6,453,234 | 6,453,234 | 100.0% | - | 6,913,479 | 6,913,479 | 100.0% | - | 7,159,850 | 7,159,850 | 100.0% |
| BHDDH - Day Program | - | 45,060,035 | 45,060,035 | 100.0% | - | 52,483,091 | 52,483,091 | 100.0% | - | 54,632,651 | 54,632,651 | 100.0% |
| BHDDH - Employment-Based | - | 2,668,921 | 2,668,921 | 100.0% | - | 3,574,631 | 3,574,631 | 100.0% | | 4,050,338 | 4,050,338 | 100.0% |
| BHDDH - Ind. Living Only | - | 797,375 | 797,375 | 100.0% | - | 857,224 | 857,224 | 100.0% | | 905,555 | 905,555 | 100.0% |
| BHDDH - Independent Living or Family Supports | 71 | 14,198,386 | 14,198,457 | 100.0% | - | 14,621,900 | 14,621,900 | 100.0% | - | 15,523,920 | 15,523,920 | 100.0% |
| BHDDH - Other | 196,490 | 15,310,603 | 15,507,093 | 98.7% | 188,141 | 11,347,170 | 11,535,310 | 98.4% | 156,556 | 10,868,421 | 11,024,977 | 98.6% |
| BHDDH - Prevocational Training | - | 593,618 | 593,618 | 100.0% | · - | 709,836 | 709,836 | 100.0% | - | 877,372 | 877,372 | 100.0% |
| BHDDH - Residential Habilitation | 628,299 | 94,091,674 | 94,719,973 | 99.3% | 870,689 | 103,567,917 | 104,438,606 | 99.2% | 696,025 | 104,797,990 | 105,494,015 | 99.3% |
| BHDDH - Self-Directed Services | - | 20,318,396 | 20,318,396 | 100.0% | - | 19,724,583 | 19,724,583 | 100.0% | - | 21,152,520 | 21,152,520 | 100.0% |
| BHDDH - Transportation | - | 6,899,349 | 6,899,349 | 100.0% | - | 6,032,115 | 6,032,115 | 100.0% | - | 6,076,086 | 6,076,086 | 100.0% |
| Home Care | - | 5,164,697 | 5,164,697 | 100.0% | - | 5,217,997 | 5,217,997 | 100.0% | - | 12,555,675 | 12,555,675 | 100.0% |
| I/DDS - Composite | \$ 824,859 | \$ 211,556,287 | \$ 212,381,146 | 99.6% | \$ 1,058,829 | \$ 225,049,943 | | 99.5% | \$ 852,582 | \$ 238,600,377 | | 99.6% |
| · · · · | | | | | | | | | , | | | |

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Notes:
 The claims data fields used to define service categories is not consistently populated on the MCO encounter data. A hierarchical approach based on available data was used to assign service category to MCO encounters.
 See the Methodology section of attached report for additional data caveats and limitations.
 Values have been rounded.

| | State of Rhode Island Office of the Health Insurance Commissioner | | | | | | | | | | | |
|--|--|------------------------------------|-----------------------------|------------------------|-----------------------------|------------------------------------|-----------------------------|------------------------|--------------------------|------------------------------------|--------------------------|------------------------|
| | | | Office | | urance Commissioi ndix 2 | ner | | | | | | |
| | | SEV | 2020 | Annual Ex | penditures | SEV | 2021 | | | SEV | 2022 | |
| | мсо | FFS | Composite | % FFS | мсо | FFS | Composite | % FFS | мсо | FFS | Composite | % FFS |
| Behavioral Health Providers | | | | | | | | | | | | |
| BHDDH Behavioral Health Group | \$ 16,978,466 | \$ 592,334 | \$ 17,570,801 | 3.4% | \$ 19,814,417 | \$ 445,088 | \$ 20,259,505 | 2.2% | \$ 16,632,367 | \$ 344,220 | \$ 16,976,587 | 2.0% |
| Children's Behavioral Health Group | 21,347,335 | 31,968 | 21,379,302 | 0.1% | 24,566,281 | 22,980 | 24,589,262 | 0.1% | 26,007,663 | 24,414 | 26,032,077 | 0.1% |
| CMHC - ACT | 11,402,080 | 5,028,944 | 16,431,025 | 30.6% | 12,959,389 | 5,922,572 | 18,881,961 | 31.4% | 13,867,976 | 10,756,540 | 24,624,516 | 43.7% |
| CMHC - IHH CMHC - MHPRR | 23,367,222 9,580,275 | 7,729,084 6,625,110 | 31,096,306 16,205,385 | 24.9% 40.9% | 24,914,318 10,082,171 | 8,505,505 7,016,380 | 33,419,823 17,098,551 | 25.5% 41.0% | 25,024,232 10,803,405 | 8,397,751 11,677,172 | 33,421,983 22,480,577 | 25.1% 51.9% |
| CMHC - MHFRR CMHC - Other | 8,381,484 | 10,214,086 | 18,595,570 | 40.9% 54.9% | 7,080,590 | 10,217,541 | 17,298,131 | 59.1% | 9,392,189 | 12,063,823 | 21,456,012 | 56.2% |
| Emergency Behavioral Health Service | 1,657,573 | 456.592 | 2,114,165 | 21.6% | 1,607,711 | 685.283 | 2.292.994 | 29.9% | 1,809,495 | 693.063 | 2,502,558 | 27.7% |
| Licensed Therapist | 7,459,497 | 9,076 | 7,468,573 | 0.1% | 6,295,827 | 8,180 | 6,304,007 | 0.1% | 7,672,315 | 2,428 | 7,674,743 | 0.0% |
| Other Therapies | 3,187,318 | 403,711 | 3,591,029 | 11.2% | 2,996,931 | 398,746 | 3,395,677 | 11.7% | 3,564,275 | 414,061 | 3,978,337 | 10.4% |
| Peer Recovery Services | 255,933 | 27,755 | 283,688 | 9.8% | 204,690 | 190,671 | 395,360 | 48.2% | 150,680 | 146,942 | 297,622 | 49.4% |
| Psychologist | 1,983,486 | 7,223 | 1,990,709 | 0.4% | 1,493,373 | 12,926 | 1,506,299 | 0.9% | 1,686,201 | 18,665 | 1,704,866 | 1.1% |
| Substance Use Rehabilitation | 25,173,157 | 2,542,165 | 27,715,322 | 9.2% | 27,986,852 | 1,373,092 | 29,359,944 | 4.7% | 28,759,780 | 979,594 | 29,739,374 | 3.3% |
| Behavioral Health Providers - Composite | \$ 130,773,827 | \$ 33,668,046 | \$ 164,441,873 | 20.5% | \$ 140,002,550 | \$ 34,798,963 | \$ 174,801,513 | 19.9% | \$ 145,370,578 | \$ 45,518,674 | \$ 190,889,252 | 23.8% |
| Children's Services | | | | | | | | | | | | |
| Cedar | \$ 303,165 | \$ 61,632 | \$ 364,798 | 16.9% | \$ 301,069 | \$ 67,750 | \$ 368.819 | 18.4% | \$ 361,271 | \$ 52,350 | \$ 413.621 | 12.7% |
| CRAFT | 22,863 | 2,760,575 | 2.783.438 | 99.2% | 43,898 | 2,967,656 | 3.011.554 | 98.5% | 49,954 | 2,997,451 | 3.047.406 | 98.4% |
| Early Intervention | 7,937,400 | 3,279,928 | 11,217,328 | 29.2% | 7,093,543 | 3,401,131 | 10,494,675 | 32.4% | 7,302,359 | 3,249,357 | 10,551,716 | 30.8% |
| Home/Center-Based Therapeutic Services | 19,676,867 | 9,891,688 | 29,568,555 | 33.5% | 19,615,933 | 12,987,546 | 32,603,479 | 39.8% | 20,584,972 | 9,594,038 | 30,179,010 | 31.8% |
| Children's Services - Composite | \$ 27,940,296 | \$ 15,993,824 | \$ 43,934,120 | 36.4% | \$ 27,054,444 | \$ 19,424,082 | \$ 46,478,526 | 41.8% | \$ 28,298,557 | \$ 15,893,196 | \$ 44,191,753 | 36.0% |
| нсвя | | | | | | | | | | | | |
| Adult Day Care | \$ 6,418,564 | \$ 4,625,393 | \$ 11,043,957 | 41.9% | \$ 3,374,901 | \$ 2,324,761 | \$ 5,699,662 | 40.8% | \$ 6,997,325 | \$ 6,656,140 | \$ 13,653,465 | 48.8% |
| Assisted Living Facility | 5,137,209 | 8,534,634 | 13,671,843 | 62.4% | 4,081,259 | 9,868,087 | 13,949,346 | 70.7% | 2,286,124 | 15,289,475 | 17,575,600 | 87.0% |
| Case Management | 1,756,268 | 1,989,276 | 3,745,544 | 53.1% | 1,740,498 | 1,947,618 | 3,688,116 | 52.8% | 1,916,754 | 2,510,896 | 4,427,650 | 56.7% |
| Day Habilitation | 293,898 | 381,485 | 675,383 | 56.5% | 374,990 | 329,915 | 704,905 | 46.8% | 386,334 | 480,647 | 866,981 | 55.4% |
| Home Care | 32,299,238 | 37,739,022 | 70,038,260 | 53.9% | 39,502,304 | 45,368,487 | 84,870,792 | 53.5% | 40,495,179 | 70,229,347 | 110,724,526 | 63.4% |
| Home Health | 12,038 | 716,889 | 728,926 | 98.3% | 6,116 | 762,223 | 768,339 | 99.2% | 2,402 | 986,030 | 988,432 | 99.8% |
| Home Meal Delivery | 135,792 | 195,571 | 331,363 | 59.0% | 140,615 | 220,096 | 360,711 | 61.0% | 188,134 | 237,006 | 425,140 | 55.7% |
| Hospice | 662,298 | 1,489,846 | 2,152,144 | 69.2% | 450,726 | 1,366,760 | 1,817,486 | 75.2% | 458,686 | 1,465,579 | 1,924,265 | 76.2% |
| Independent Provider | - | - | - | | - | 230,878 | 230,878 | 100.0% | - | 1,280,496 | 1,280,496 | 100.0% |
| Personal Choice/Hab Case Management | 140,000 | 490,245 | 630,245 | 77.8% | 170,500 | 537,570 | 708,070 | 75.9% | 241,375 | 706,260 | 947,635 | 74.5% |
| Self-Directed Community Services | 258,780 | 9,601,052 | 9,859,832 | 97.4% | 179,913 | 9,679,408 | 9,859,321 | 98.2% | 156,280 | 11,305,682 | 11,461,962 | 98.6% |
| Shared Living Agency | 1,652,311 | 3,753,599 | 5,405,910 | 69.4% | 1,722,642 | 4,645,225 | 6,367,867 | 72.9% | 1,903,429 | 6,062,870 | 7,966,299 | 76.1% |
| Severely Disabled Nursing Homecare | 2,271,666 | 5,676,195 | 7,947,861 | 71.4% | 1,896,842 | 5,491,497 | 7,388,339 | 74.3% | 1,536,440 | 7,093,171 | 8,629,611 | 82.2% |
| Waiver Case Manager - Other | 46,412 | 486,768 | 533,181 | 91.3% | 69,213 | 499,237 | 568,449 | 87.8% | 48,174 | 516,418 | 564,591 | 91.5% |
| HCBS - Composite | \$ 51,084,472 | \$ 75,679,976 | \$ 126,764,448 | 59.7% | \$ 53,710,518 | \$ 83,271,762 | \$ 136,982,280 | 60.8% | \$ 56,616,637 | \$ 124,820,017 | \$ 181,436,654 | 68.8% |
| Intellectual and Developmental Disability Services | | | | | | | | | | | | |
| BHDDH - Case Management | - | 7,205,035 | 7,205,035 | 100.0% | - | 7,106,332 | 7,106,332 | 100.0% | - | 7,262,037 | 7,262,037 | 100.0% |
| BHDDH - Day Program | - | 54,501,270 | 54,501,270 | 100.0% | - | 52,716,975 | 52,716,975 | 100.0% | - | 65,789,125 | 65,789,125 | 100.0% |
| BHDDH - Employment-Based | - | 3,076,811 | 3,076,811 | 100.0% | - | 2,226,645 | 2,226,645 | 100.0% | - | 2,568,062 | 2,568,062 | 100.0% |
| BHDDH - Ind. Living Only | - | 887,796 | 887,796 | 100.0% | - | 893,044 | 893,044 | 100.0% | - | 1,050,533 | 1,050,533 | 100.0% |
| BHDDH - Independent Living or Family Supports | 763 | 14,977,388 | 14,978,151 | 100.0% | - | 13,259,145 | 13,259,145 | 100.0% | - | 15,104,436 | 15,104,436 | 100.0% |
| BHDDH - Other | 133,720 | 12,461,564 | 12,595,284 | 98.9% | 123,544 | 14,686,991 | 14,810,535 | 99.2% | 136,345 | 18,592,917 | 18,729,262 | 99.3% |
| BHDDH - Prevocational Training | | 447,652 | 447,652 | 100.0% | - | 158,091 | 158,091 | 100.0% | - | 202,796 | 202,796 | 100.0% |
| BHDDH - Residential Habilitation | 595,893 | 111,079,963 | 111,675,856 | 99.5% | 629,999 | 109,779,571 | 110,409,569 | 99.4% | 697,293 | 128,186,388 | 128,883,681 | 99.5% |
| BHDDH - Self-Directed Services | - | 22,240,461 | 22,240,461 | 100.0% | - | 25,572,500 | 25,572,500 | 100.0% | - | 34,143,475 | 34,143,475 | 100.0% |
| BHDDH - Transportation | - | 4,837,076 | 4,837,076 | 100.0% | - | 2,866,470 | 2,866,470 | 100.0% | - | 4,044,390 | 4,044,390 | 100.0% |
| Home Care I/DDS - Composite | - ¢ 720 270 | 8,359,266 \$ 240,074,282 | 8,359,266 \$ 240 804 658 | 100.0% 99.7% | - \$ 752 542 | 3,753,361 \$ 233,019,125 | 3,753,361 \$ 233 772 667 | 100.0% 99.7% | ¢ 022 620 | 4,628,070 \$ 281,572,229 | 4,628,070 | 100.0% 99.7% |
| - composite | \$ 130,376 | φ 240,014,202 | φ 240,004,000 | JJ .1 /0 | ə 100,040 | φ 233,019,125 | φ 233,112,001 | 33.1 /0 | ə 033, 0 30 | φ 201,312,229 | φ 202,400,007 | 33.1% |

Notes:
 The claims data fields used to define service categories is not consistently populated on the MCO encounter data. A hierarchical approach based on available data was used to assign service category to MCO encounters.
 See the Methodology section of attached report for additional data caveats and limitations.
 Values have been rounded.

APPENDIX 3: Mapping of Provider Code to Service Category

State of Rhode Island Office of the Health Insurance Commissioner Appendix 3 Mapping of Provider Code to Service Category

| | | Billing Provider | |
|--|--|------------------|---|
| Major Service Category | Detailed Service Category | Code | Billing Provider Code Description |
| Behavioral Health Providers | BHDDH Behavioral Health Group | 066 | BHDDH Behavioral Health Group |
| Behavioral Health Providers | Children's Behavioral Health Group | 047 | Children's Behavioral Health Group |
| Behavioral Health Providers | CMHC - ACT | 061 | CMHC/Rehab Option |
| Behavioral Health Providers | CMHC - IHH | 061 | CMHC/Rehab Option |
| Behavioral Health Providers | CMHC - MHPRR | 061 | CMHC/Rehab Option |
| Behavioral Health Providers | CMHC - Other | 061 | CMHC/Rehab Option |
| Behavioral Health Providers | Emergency Behavioral Health Service | 111 | Emergency Behavioral Health Service |
| Behavioral Health Providers | Licensed Therapist | 017 | Licensed Therapist |
| Behavioral Health Providers | Other Therapies | 073 | Other Therapies/Hippotherapy |
| Behavioral Health Providers | Peer Recovery Services | 109 | Peer Recovery Services |
| Behavioral Health Providers | Psychologist | 030 | Psychologist |
| Behavioral Health Providers | Substance Use Rehabilitation | 060 | Substance Use Rehab |
| Children's Services | Cedar | 082 | Cedar Center |
| Children's Services | DCYF | 067 | Department of Children Youth and Families |
| Children's Services | Early Intervention | 059 | Early Intervention |
| Children's Services | Home/Center-Based Therapeutic Services | 080 | Home/Center Based Therapeutic Services |
| HCBS | Adult Day Care | 050 | Adult Day Care |
| HCBS | Assisted Living Facility | 033 | Assisted Living Facility |
| HCBS | Case Management | 044 | Case Management |
| HCBS | Day Habilitation | 055 | Day Habilitation |
| HCBS | Home Care | 072 | Personal Care Aide/Assistant |
| HCBS | Home Health | 010 | Skilled Nursing |
| HCBS | Home Meal Delivery | 077 | Home Meal Delivery |
| HCBS | Hospice | 027 | Hospice |
| HCBS | Independent Provider | 116 | Independent Provider |
| HCBS | Personal Choice/Hab Case Management | 069 | Personal Choice/Hab Case Management |
| HCBS | Self-Directed Community Services | 071 | Self Directed Community Services |
| HCBS | Severely Disabled Nursing Homecare | 065 | Severely Disabled Nursing Homecare |
| HCBS | Shared Living Agency | 051 | Shared Living Agency |
| HCBS | Waiver Case Manager - Other | 057 | Waiver Case Manager - Other |
| Intellectual and Developmental Disability Services | BHDDH - Case Management | 088 | BHDDH DD Agencies |
| Intellectual and Developmental Disability Services | BHDDH - Day Program | 088 | BHDDH DD Agencies |
| Intellectual and Developmental Disability Services | BHDDH - Employment Based | 088 | BHDDH DD Agencies |
| Intellectual and Developmental Disability Services | BHDDH - Ind. Living Only | 088 | BHDDH DD Agencies |
| Intellectual and Developmental Disability Services | BHDDH - Independent Living or Family Supports | 088 | BHDDH DD Agencies |
| Intellectual and Developmental Disability Services | BHDDH - Other | 088 | BHDDH DD Agencies |
| Intellectual and Developmental Disability Services | BHDDH - Prevocational Training | 088 | BHDDH DD Agencies |
| Intellectual and Developmental Disability Services | BHDDH - Residential Habilitation | 088 | BHDDH DD Agencies |
| Intellectual and Developmental Disability Services | BHDDH - Residential Habilitation BHDDH - Self-Directed Services | 088 | BHDDH DD Agencies BHDDH DD Agencies |
| Intellectual and Developmental Disability Services | BHDDH - Transportation | 088 | BHDDH DD Agencies BHDDH DD Agencies |
| Intellectual and Developmental Disability Services | Home Care | 000 | Personal Care Aide/Assistant |
| | RICLAS | 072 026 | RICLAS |
| Intellectual and Developmental Disability Services | | 028 | |
| Intellectual and Developmental Disability Services | Tavares | 029 | ICF - MR. Private Facility |

Notes
1. BHDDH claims assigned by provider code 088 and CMHC claims assigned by provider code 061 are further subdivided by the HCPCS associated with the claim.

APPENDIX 4: Non-MMIS Service Utilization

| | | e of Rhode Island alth Insurance Commiss | ioner | | | |
|---|--------------------|---|-------------------------------|----------|----------|----------|
| | | Appendix 4 | | | | |
| | Historic Utiliz | ation of Non-MMIS Servi | | | | |
| | SEV 2047 | | verage Annual Uti SFY 2019 | | SEV 2024 | SEV 2022 |
| DHS | SFY 2017 | SFY 2018 | SF1 2019 | SFY 2020 | SFY 2021 | SFY 2022 |
| Vocational Rehabilitation | 7,223 | 5,329 | 3,484 | 2,811 | 2,066 | 3,257 |
| Services with codes | 5,749 | 3,125 | 1,651 | 1,024 | 688 | 1,273 |
| Services without codes | 1,474 | 2,204 | 1,833 | 1,787 | 1.378 | 1,984 |
| Child Care | Data Not Available | Data Not Available | 36,609 | 23,564 | 12,939 | 13,124 |
| Family Home Provider | Data Not Available | Data Not Available | 8,344 | 4,633 | 2,841 | 2,744 |
| Group Center | Data Not Available | Data Not Available | 44 | 58 | 21 | _, |
| Licensed Center | Data Not Available | Data Not Available | 26,168 | 17,509 | 9,800 | 10,349 |
| Licensed Exempt | Data Not Available | Data Not Available | 360 | 148 | 69 | 20 |
| Summer Camp | Data Not Available | Data Not Available | 1.693 | 1,216 | 208 | - |
| DHS - Composite | 7,223 | 5,329 | 40,093 | 26,375 | 15,005 | 16,381 |
| рон | | | | | | |
| Tobacco Quit Line | 2,768 | 2,407 | 2,683 | 2,273 | 2,756 | 2,842 |
| Lead Services | Data Not Available | Data Not Available | 20 | 22 | 24 | 13 |
| DOH - Composite | 2,768 | 2,407 | 2,703 | 2,295 | 2,780 | 2,855 |
| DCYF | | | | | | |
| Home and Community-Based Services | 1,942 | 928 | 1,093 | 1,045 | 1,059 | 1,151 |
| Foster Care | - | - | - | _ | 514 | 525 |
| Residential Care | 1,042 | 470 | 427 | 379 | 391 | 406 |
| Residential Care: Out-of-State | 1 | 9 | 14 | 25 | 58 | 82 |
| DCYF - Composite | 2,985 | 1,407 | 1,534 | 1,449 | 2,022 | 2,164 |
| ОНА | | | | | | |
| CareBreaks | 286 | 280 | 316 | 269 | 287 | 295 |
| Home Care | 197 | 191 | 232 | 225 | 219 | 228 |
| Adult Day Care | 31 | 22 | 28 | 23 | 36 | 26 |
| Nursing Facility & Assisted Living Facility | 29 | 31 | 22 | 11 | 18 | 18 |
| Emergency (APS/OHA) | 29 | 36 | 34 | 10 | 14 | 23 |
| OHA - Composite | 286 | 280 | 316 | 269 | 287 | 295 |

Notes:

1. Utilization values shown for vocational rehabilitation are for services provided rather than unique users.

2. Utilization values shown for DCYF are for contracted slots rather than unique users.

Service utilization was provided by state agencies.
 Values have been rounded.

APPENDIX 5: Non-MMIS Service Expenditures

| | | State of Rhode Island Health Insurance Comm Appendix 5 | nissioner | | | |
|---|--------------------|--|----------------------|-----------------------|---------------|---------------|
| | Historic Ex | penditures of Non-MMIS | | | | |
| | | | verage Annual Expe | | | |
| | SFY 2017 | SFY 2018 | SFY 2019 | SFY 2020 | SFY 2021 | SFY 2022 |
| DHS | | | | | | |
| Vocational Rehabilitation | \$ 7,548,102 | \$ 6,050,053 | \$ 3,492,918 | \$ 3,042,774 | \$ 2,151,586 | \$ 3,228,546 |
| Services with codes | 5,611,916 | 2,818,676 | 1,003,124 | 683,906 | 462,855 | 653,119 |
| Services without codes | 1,936,186 | 3,231,377 | 2,489,794 | 2,358,868 | 1,688,731 | 2,575,428 |
| Child Care | Data Not Available | Data Not Available | \$ 66,970,641 | \$ 67,218,420 | \$ 55,258,656 | \$ 54,554,333 |
| Family Home Provider | Data Not Available | Data Not Available | 15,951,962 | 15,675,710 | 11,642,143 | 10,660,563 |
| Group Center | Data Not Available | Data Not Available | 100,764 | 77,507 | 52,597 | 47,778 |
| Licensed Center | Data Not Available | Data Not Available | 49,537,229 | 49,711,986 | 43,321,644 | 43,816,544 |
| Licensed Exempt | Data Not Available | Data Not Available | 232,042 | 141,301 | 75,545 | 29,448 |
| Summer Camp | Data Not Available | Data Not Available | 1,148,644 | 1,611,916 | 166,726 | - |
| DHS - Composite | \$ 7,548,102 | \$ 6,050,053 | \$ 70,463,559 | \$ 70,261,194 | \$ 57,410,243 | \$ 57,782,879 |
| рон | | | | | | |
| Tobacco Quit Line | \$ 101,313 | \$ 95,168 | \$ 101.861 | \$ 77,859 | \$ 82,004 | \$ 84,048 |
| Lead Services | Data Not Available | Data Not Available | 13,500 | 14,850 | 16,200 | 8,775 |
| DOH - Composite | \$ 101,313 | \$ 95,168 | \$ 115,361 | \$ 92,709 | \$ 98,204 | \$ 92,823 |
| DCYF | | | | | | |
| Home and Community-Based Services | \$ 13,546,757 | \$ 18,069,086 | \$ 21,524,249 | \$ 23,040,125 | \$ 21,895,181 | \$ 16,768,454 |
| Foster Care | ÷, | ÷, | • = .,•= .,= .• - | + _0,0 .0, . <u>_</u> | 7,580,455 | 6,469,035 |
| Residential Care | 19,269,754 | 25,484,719 | 25,169,990 | 30,557,278 | 25,798,572 | 29,180,144 |
| Residential Care: Out-of-State | 188,577 | 972,020 | 2,551,377 | 4,800,045 | 11,821,089 | 16,324,236 |
| DCYF - Composite | \$ 33,005,089 | \$ 44,525,825 | \$ 49,245,616 | \$ 58,397,448 | \$ 67,095,297 | \$ 68,741,870 |
| ОНА | | | | | | |
| CareBreaks | \$ 285,081 | \$ 269,560 | \$ 289,246 | \$ 276,400 | \$ 307,946 | \$ 365,005 |
| Home Care | 190.094 | 168,679 | 205,089 | 232,711 | 235,451 | 234,876 |
| Adult Day Care | 28,213 | 21,423 | 22,945 | 18,309 | 30,900 | 32,784 |
| Nursing Facility & Assisted Living Facility | 47,243 | 56,456 | 38,644 | 19,738 | 22,716 | 37,045 |
| Emergency (APS/OHA) | 19,530 | 23,002 | 22,568 | 5,642 | 18,879 | 60,300 |
| OHA - Composite | \$ 285,081 | \$ 269,560 | \$ 289,246 | \$ 276,400 | \$ 307,946 | \$ 365,005 |

Notes:

1. Expenditures for Non-MMIS services was provided by the state agencies.

2. Per diems paid to private agency foster care for services and parent stipends in SFY 2017 through SFY 2020 are not included in the figure above. Foster care agency payments in

SFY 2021 and SFY 2022 represent the acuity-based payment to the private agency.

3. A limited number of DCYF expenditures are directly billed to Medicaid. Services directly billed to Medicaid excluded from the figure above.

4. Values have been rounded.

Data Book (Microsoft Excel Attachment)



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