

Biannual Estimate of Need for Intensive Care Coordination using Wraparound in Idaho, SFY 2024 (June 2024 report)

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Executive Summary

Objective: The State of Idaho Youth Empowerment Services (YES) program aims to implement a coordinated and comprehensive system-of-care that meets the mental health needs of Idaho youth who experience a serious emotional disturbance. One important component of YES is the delivery of Intensive Care Coordination (ICC). One model of ICC used in many States, and which has been implemented in Idaho, is high-quality Wraparound. The Wraparound model is a specific method for delivering ICC that incorporates well-specified procedures and standardized quality monitoring. It is designed to support youth with the most complex and intensive mental health needs so they can remain in the community. In order to monitor the State's progress toward meeting the needs of this population, the Idaho Department of Health and Welfare, Division of Behavioral Health contracted with Boise State University to develop biannual estimates of the need for ICC specifically using the Wraparound model (hereafter 'Wraparound') among Idaho youth. This is the second report for State fiscal year (SFY) 2024. The purpose of this report is to estimate the number of Idaho youth who will likely need Wraparound in SFY 2024.

Method: Using two methodologies developed in prior work, two projections of the number of Idaho youth who will likely need Wraparound in SFY 2024 were generated. The first methodology used a predictive analytic model developed through an analysis of Wraparound utilization data from 11 States and the incorporation of Idaho population characteristics. The second methodology analyzed aggregate Idaho administrative data on publicly-funded, out-of-home and inpatient mental health services from Quarters 1 and 2 of SFY 2024.

Results: Application of the predictive analytic model resulted in an estimate of 1,476 Idaho youth (318 per 100,000) who will likely need Wraparound in SFY 2024. Analysis of Idaho service utilization data for Quarters 1 and 2 of SFY 2024 yielded an estimate of 1,596 Idaho youth (343 per 100,000) who will likely need Wraparound in SFY 2024. Combining these results in an estimate of 1,536 Idaho youth (331 per 100,000) who will likely need Wraparound in SFY 2024. From SFY 2018 to SFY 2024, the projected number of Idaho youth who need Wraparound has grown by 13.8%, reflecting growth in Idaho's youth population.

Conclusions and Recommendations: In SFY 2024, it is estimated that 1,536 Idaho youth will need Wraparound. These estimates provide benchmarks for monitoring Idaho's progress toward meeting the needs of youths with intensive mental health needs.

Date of Report: June 10, 2024

The purpose of this report is to estimate the number of Idaho youth who will likely need Intensive Care Coordination using high-quality Wraparound (hereafter, 'Wraparound') in order to meet their mental health needs in State Fiscal Year (SFY) 2024. Under terms specified by the Jeff D. Settlement Agreement, the State of Idaho is required to implement a comprehensive and coordinated array of community-based mental health services that meet the needs of children with serious emotional disturbance (SED). To fulfill this charge, the Idaho Department of Health and Welfare (IDHW) has initiated a children's mental health program called Youth Empowerment Services

(YES). One critical component of YES is Intensive Care Coordination (ICC). ICC is a case management service designed to ensure youths who have more intensive needs receive accessible, coordinated services. ICC can be delivered in a variety of formats and at different levels of intensity. The most intensive level of ICC occurs when it is implemented using the Wraparound model, which is a specific program model with demonstrated effectiveness and criteria for establishing fidelity (Olson et al., 2021). Wraparound is targeted toward youths with SED who experience the most severe levels of impairment in daily functioning and who require the

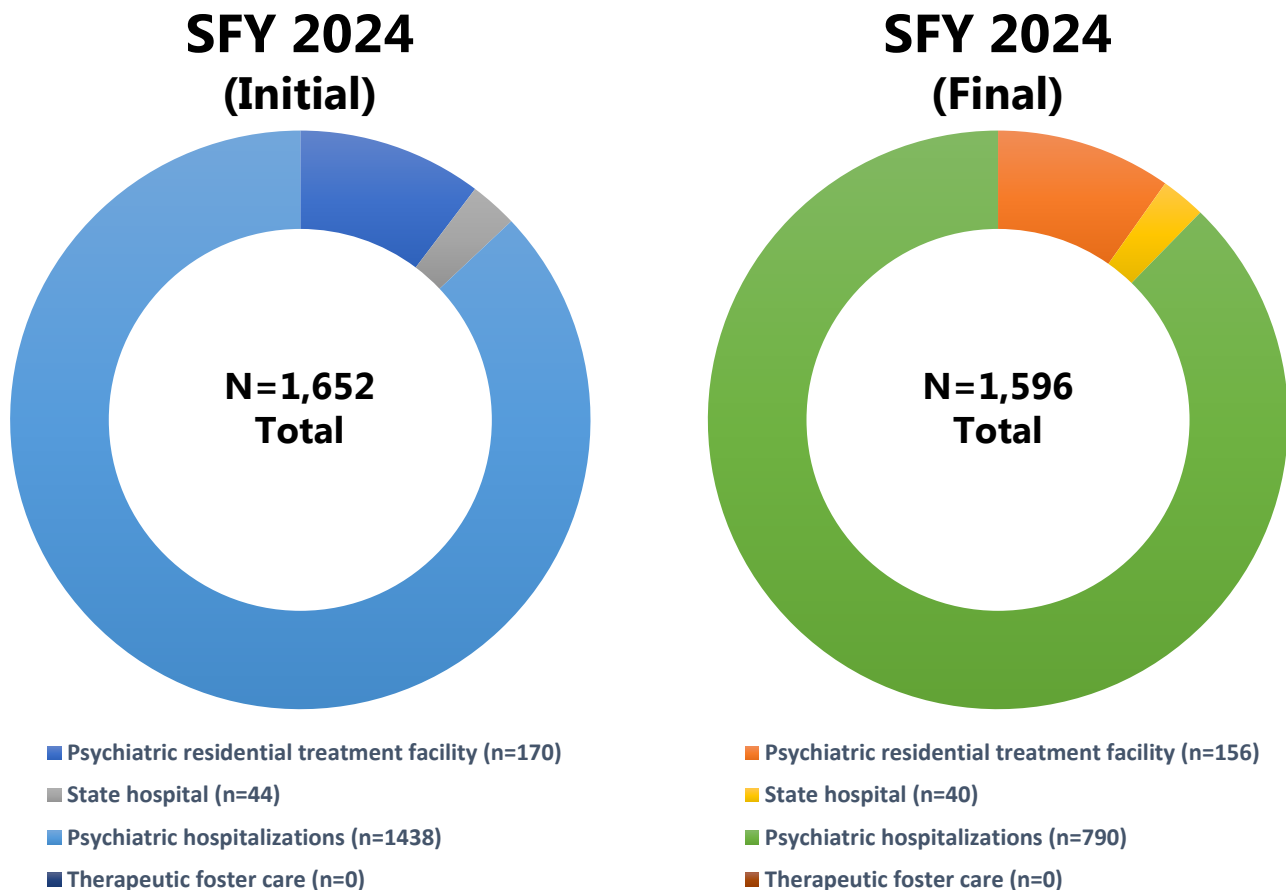
most intensive support to remain in the community.

Beginning in 2023, IDHW contracted with Boise State University to develop biannual estimates of the need for Wraparound among Idaho youth. The initial report for SFY 2024 was delivered in January 2024 and estimated that 1,564 Idaho youths would likely need Wraparound in SFY 2024. The purpose of this report is to provide a final estimate of need for Wraparound in Idaho in SFY 2024 based on updated utilization data.

Method

Two methodologies were used to estimate the number of Idaho youth

Figure 1 Initial and Final Projections of Service Utilization among Idaho Youth, SFY 2024 (Publicly-Funded Out-of-Home and Psychiatric Inpatient Services)



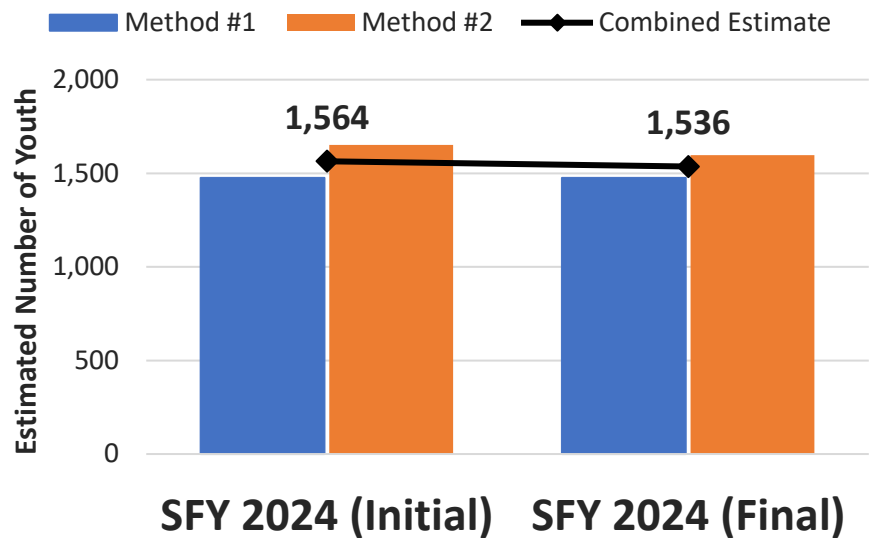
Note: SFY = State fiscal year. The SFY 2024 (initial) projection is based on observed service utilization data from Quarters 1-4 of SFY 2023. The SFY 2024 (final) projection is a linear extrapolation based on observed service utilization data from Quarters 1-2 of SFY 2024.

who are likely to need Wraparound in SFY 2024. Both methodologies were validated and extensively described in a prior report on the need for ICC using high-quality Wraparound among Idaho youth (see Williams, 2018). Here, we briefly summarize the two methods.

The first method employed a predictive analytic model based on Wraparound utilization data from 11 States (Williams, 2018). To estimate the projected need for Wraparound in Idaho in SFY 2024 for the present report, the investigators incorporated the most up-to-date data on Idaho’s youth population from the U.S. Census Bureau into the predictive analytic model and assumed full Wraparound program implementation. The U.S. Census Bureau updates its population estimates annually using the American Community Survey. For this analysis, we used the 2022 1-Year American Community Survey estimates, which were the most recent data available. These estimates indicated Idaho’s under age 18 youth population was 464,620 (U.S. Census Bureau, 2023).

The second method estimated need for ICC based on an analysis of aggregate SFY 2023 Idaho service

Figure 2 Initial and Final Projections of Estimated Need for Wraparound among Idaho Youth by Method, SFY 2024

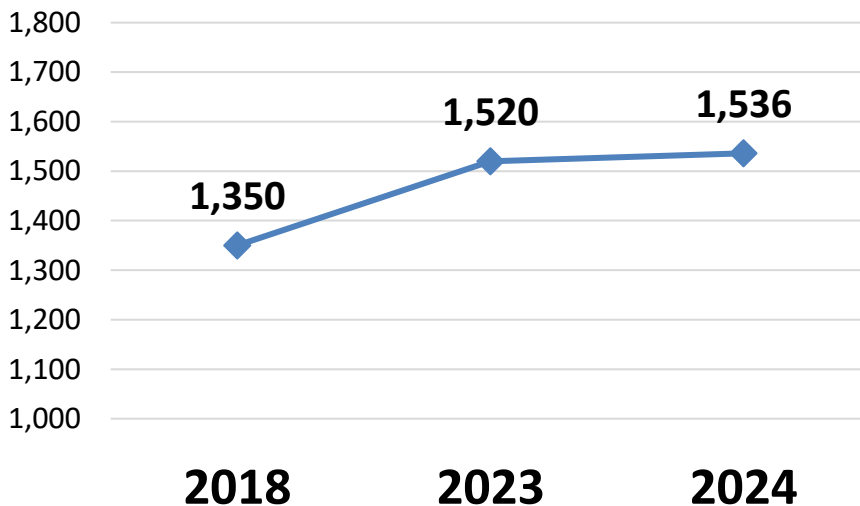


Note: SFY= state fiscal year.

utilization data reflecting youth out-of-home placements or risk for out-of-home placement due to a mental health disorder. These aggregate data were provided by the IDHW Division of Behavioral Health in its Quality, Management, Improvement, and Accountability Quarterly report for SFY 2024, Quarters 1 and 2 (IDHW, 2023). Using linear extrapolation, data from Quarters 1 and 2 of SFY 2024 were

extrapolated to the full year to generate estimated utilization totals for the year. This method may have overestimated the number of youths participating in out-of-home services because only aggregate data were available and the same youth may have participated in multiple services. Services included in the analysis were: (a) placement in, or approved for placement in, a psychiatric residential treatment facility, (b) placement in therapeutic foster care, (c) placement in a State Hospital for psychiatric illness, and (d) experience of an inpatient psychiatric hospitalization.

Figure 3 Trend in the Estimated Number of Idaho Youth who Need Wraparound, SFY 2018-2024



Note: SFY = State fiscal year.

Results

Predictive Analytic Model (Method #1)

Results of the predictive analytic model indicated 1,476 Idaho youth will likely need Wraparound in SFY 2024. Based on Idaho’s estimated youth population, this represents 318 youth per 100,000. Because the U.S. Census Bureau has not yet released updated population estimates for Idaho youth,

this number is unchanged from the initial estimate for SFY 2024 and the prior report.

Aggregate Service Utilization Data (Method #2)

Analysis of service utilization data for SFY 2024, Quarters 1-2, indicated 1,596 Idaho youth, or 343 youth per 100,000, will likely need Wraparound in SFY 2024. This represents a slight decrease of 3.4% from the initial SFY 2024 projection of service utilization which was based on data from Quarters 1-4 in SFY 2023 (see Figure 1). This suggests service utilization has trended slightly down for SFY 2024 compared to SFY 2023.

Combined Estimate of Need for Wraparound among Idaho Youth

The two estimates of need for Wraparound are combined by taking their average. This results in an estimated 1,536 Idaho youth (331 per 100,000) who are likely to benefit from participating in Wraparound in SFY 2024. Figure 2 shows the change in the projected number of Wraparound service utilizers from the *initial* SFY 2024 estimate to the *final* SFY 2024 estimate. There was a slight decrease of 1.8% due to the lower than expected service utilization that occurred to date in SFY 2024 relative to SFY 2023 (the initial SFY 2024 estimate was based on service utilization for SFY 2023).

Figure 3 shows how the combined estimate of need for Wraparound has changed since BSU began developing these reports in 2018. From 2018 to 2024, the estimated need for Wraparound in Idaho has increased by 13.8%, from 1,350 in SFY 2018 to 1,536 in SFY 2024, reflecting the growth in Idaho's youth population during this time. ■

References

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