# Great Start Readiness Program

# 2013–2014 Risk Factor Data Report

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Prepared by

Center for Early Education Evaluation at HighScope

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**2013–2014 Risk Factor Analysis**

        The Great Start Readiness Program (GSRP) uses a list of seven qualifying risk factors for enrollment into the program. The list of qualifying risk factors was reduced from eight factors to seven risk factors in 2013 with implementation beginning in the 2013–14 program year. Therefore, the maximum number of risk factors a child could experience is now seven. Children below 250 percent of the Federal Poverty Line (FPL) are enrolled starting with the lowest household income quintile. A maximum of 10 percent of children can be enrolled from households above 250 percent of the FPL. For this group of children, a sliding-scale tuition rate is calculated based on family income. This may help to explain why some children are enrolled without any of the seven risk factors.

        The information presented in Tables 1 through 6 describes the degree to which children enrolled in the GSRP during the 2013–2014 program year experienced any of the seven risk factors that made them eligible for the program. The report is based on a total of 30,366 cases downloaded from the Michigan Electronic Grants System (MEGS) and provided by the Michigan Department of Education.

        Table 1 provides descriptive statistics for enrollment by service type. As indicated, more children were enrolled in GSRP this year, compared to last year (30,366 vs. 24,547). Over half (55.0 percent) attended for the full school day, an increase of 21 percentage points compared to last year. Alternate-day and home-based programs were not found in this year's data, and hence are not listed in the table.

**Table 1: GSRP 2013–2014 Enrollment by Service Type**

| Service Type | Overall Total | |
|---|---|---|
| | **N** | **%** |
| School-Day | 16,694 | 55.0 |
| Part-Day | 10,283 | 33.9 |
| GSRP/Head Start Blend | 3,389 | 11.1 |
| **Total** | **30,366** | **100.0** |

Table 2 provides demographic information on the number and percentage of children in GSRP programs, as well as the average number of risk factors across demographic categories and service type. As can be seen, on average, 2.26 risk factors are experienced across the various categories.

**Table 2: Descriptive Statistics of GSRP 2013–2014 Children and Risk Factors ($N$=30,366)**

| | Number of Children | % of Children | Average Number of Risk Factors |
|---|---|---|---|
| **Gender** | | | |
| Male | 15,569 | 51.3 | 2.28 |
| Female | 14,797 | 48.7 | 2.25 |
| | | | |
| **Ethnicity** | | | |
| Hispanic/Latino | 3,088 | 10.2 | 2.67 |
| Non-Hispanic/Latino | 27,278 | 89.8 | 2.22 |
| | | | |
| **Race** | | | |
| American Indian/Alaska Native | 507 | 1.7 | 2.76 |
| Asian | 529 | 1.7 | 2.26 |
| Black/African American | 8,512 | 28.0 | 2.19 |
| Hawaiian/Pacific Islander | 51 | 0.2 | 2.29 |
| White | 19,474 | 64.1 | 2.29 |
| Multiracial | 1,293 | 4.3 | 2.19 |
| | | | |
| **Parent Working Status** | | | |
| Parent working | 22,720 | 74.8 | 2.23 |
| Parent not working | 7,646 | 25.2 | 2.37 |
| | | | |
| **GSRP Service Type** | | | |
| School-Day | 16,694 | 55.0 | 2.33 |
| Part-Day | 10,283 | 33.9 | 2.20 |
| GSRP/Head Start Blend | 3,389 | 11.1 | 2.15 |
| **Total** | | | **2.26** |

Table 3 provides a description of the level of risk experienced by children. As indicated in the table, most of the children (69.8 percent of the population) experienced 2 or 3 risk factors.

**Table 3: Number of Risk Factors for GSRP Children 2013–2014 ($N$=30,366)**

| Number of Risk Factors Reported | Number of Children | % of Children | Cumulative % |
|---|---|---|---|
| 0 | 179 | .6 | .6 |
| 1 | 5,849 | 19.3 | 19.9 |
| 2 | 13,893 | 45.8 | 65.6 |
| 3 | 7,281 | 24.0 | 89.6 |
| 4–7 | 3,164 | 10.4 | 100.0 |

Table 4 provides a breakdown of the prevalence of each enrollment risk factor. The seven risk factors are listed in order of most to least prevalent. The most frequently reported risk factor was low family income, followed by environmental risk (94.5 percent and 59.7 percent, respectively).

Table 5 reports risk factors by the GSRP income eligibility prioritization. Children with low family income were most often enrolled with an additional risk factor (46.1 percent). Children without income as a risk factor were most often enrolled with two other types of risk (39.3 percent).

### Table 4: Risk Factor Prevalence 2013–2014 ($N$=30,366)

| Risk Factor and Definition | Number of Children | % of Children |
|---|---|---|
| **Low family income** — Family income equal to or less than 250% of the federal poverty level (FPL). | 28,703 | 94.5 |
| **Environmental risk** — Parental loss due to death, divorce, incarceration, military service, or absence; sibling issues; teen parent (not age 20 when first child born); family is homeless or without stable housing; residence in a high-risk neighborhood (area of high poverty, high crime, with limited access to critical community services); or prenatal or postnatal exposure to toxic substances known to cause learning or developmental delays. | 18,134 | 59.7 |
| **Parent(s) with low educational attainment** — Parent has not graduated from high school or is illiterate. | 6,609 | 21.8 |
| **Abuse/neglect of child or parent** — Domestic, sexual, or physical abuse of child or parent; child neglect issues; Child Protective Services report. | 5,311 | 17.5 |
| **Diagnosed disability or identified developmental delay** — Child is eligible for special education services or child's developmental progress is less than that expected for his/her chronological age, or chronic health issues cause development or learning problems. | 4,438 | 14.6 |
| **Primary home language other than English** — English is not spoken in the child's home; English is not the child's first language. | 3,989 | 13.1 |
| **Severe or challenging behavior** — Child has been expelled from preschool or child care center. | 1,589 | 5.2 |

### Table 5: Risk Factors by GSRP Eligibility Prioritization ($N$=30,366)

| Risk of Low Income | Additional Risk Factors | $N$ | % of Total | Cumulative % |
|---|---|---|---|---|
| **Low family income** | With no other risk | 5,282 | 18.4 | |
| | With 1 additional risk | 13,239 | 46.1 | |
| | With 2 additional risks | 7,071 | 24.7 | |
| | With 2 or more additional risks | 3,111 | 10.8 | |
| | **Subtotal** | **28,703** | **94.5** | **94.5** |
| **Without low family income risk** | With 0 risks | 179 | 10.8 | |
| | With 1 risk | 567 | 34.1 | |
| | With 2 risks | 654 | 39.3 | |
| | With 3 or more risks | 263 | 15.8 | |
| | **Subtotal** | **1,663** | **5.5** | **100.0** |

In Table 6, the prevalence of children from low family income households, as well as families in which parents were unavailable to provide child care due to employment is detailed by service type. Of particular interest is the percentage of children who are from low family income households and have a parent working. The total number of children who fell into this category in 2013–2014 was 21,290 or 70.1 percent of the total number of enrolled children.

**Table 6: Low Family Income and Parent Working by
Service Type 2013–2014**

| Service Type | Low Family Income | Parent Working | Low Family Income and Parent Working |
|---|---|---|---|
| School-Day | 15,837 | 12,460 | 11,731 |
| | (94.9%) | (74.6%) | (70.3%) |
| Part-Day | 9,551 | 8,196 | 7,554 |
| | (92.9%) | (79.7%) | (73.5%) |
| GSRP/Head Start Blend | 3,315 | 2,064 | 2,005 |
| | (97.8%) | (60.9%) | (59.2%) |
| **Total** | **28,703** | **22,720** | **21,290** |
| | **(94.5%)** | **(74.8%)** | **(70.1%)** |

*Note.* Percentages by service type are based on the total number of cases for the corresponding service type (e.g., school-day, part-day).

Tables 1 through 6 describe characteristics of all children who enrolled in GSRP. Every year, some children who enroll leave the program before the end of the year. This year, the overall GSRP dropout rate was 6.5 percent, slightly less than last year (6.7 percent for 2012–13). Table 7 provides information on the percentage of dropouts by child demographic statistics, service type, and risk factors for 2013–2014.

**Table 7: Dropout Rate by Demographic Statistics, Service Type, and Risk Factors**

|  | Total N | Dropout N | Dropout % |
|---|---|---|---|
| **Gender**** | | | |
| Male | 15,569 | 1,073 | 6.9 |
| Female | 14,797 | 898 | 6.1 |
| **Ethnicity** | | | |
| Hispanic/Latino | 3,088 | 201 | 6.5 |
| Non-Hispanic/Latino | 27,278 | 1,770 | 6.5 |
| **Race**** | | | |
| American Indian/Alaska Native | 507 | 36 | 7.1 |
| Asian | 529 | 28 | 5.3 |
| Black/African American | 8,512 | 750 | 8.8 |
| Hawaiian/Pacific Islander | 51 | 3 | 5.9 |
| White | 19,474 | 1,077 | 5.5 |
| Multiracial | 1,293 | 77 | 6.0 |
| **Parent Working Status**** | | | |
| Parent working | 22,720 | 1,201 | 5.3 |
| Parent not working | 7,646 | 770 | 10.1 |
| **GSRP Service Type**** | | | |
| School-Day | 16,694 | 1,027 | 6.2 |
| Part-Day | 10,283 | 666 | 6.5 |
| GSRP/Head Start Blend | 3,389 | 278 | 8.2 |
| **Risk Factor** (compared to children without the risk) | | | |
| Low family income* | 28,703 | 1,883 | 6.6 (5.3) |
| Diagnosed disability or identified developmental delay | 4,438 | 279 | 6.3 (6.5) |
| Severe or challenging behavior | 1,589 | 116 | 7.3 (6.4) |
| Primary home language other than English*** | 3,989 | 215 | 5.4 (6.7) |
| Parent(s) with low educational attainment | 6,609 | 445 | 6.7 (6.4) |
| Abuse/neglect of child or parent* | 5,311 | 382 | 7.2 (6.3) |
| Environmental risk*** | 18,134 | 1,243 | 6.9 (6.0) |
| **Number of Risk Factors**** | | | |
| 0 | 179 | 19 | 10.6 |
| 1 | 5,849 | 345 | 5.9 |
| 2 | 13,893 | 894 | 6.4 |
| 3 | 7,281 | 469 | 6.4 |
| 4–7 | 3,164 | 244 | 7.7 |
| **Overall** | **30,366** | **1,971** | **6.5** |

*Note.* * $p \le .05$; ** $p \le .01$; *** $p \le .001$.

As Table 7 suggests, the following variables were related to the dropout rate:

- GSRP service type: GSRP/Head Start blended classes had the highest dropout rate (8.2 percent).

- Child race: Black/African American children had the highest dropout rate (8.8 percent), and Asian children had the lowest (5.3 percent).

- Parent(s) working: Children whose parent(s) did not work were more likely to drop out compared to those with a working parent(s) (10.1 percent vs. 5.3 percent).

- Gender: Boys had higher dropout rate than girls (6.9 percent vs. 6.1 percent)

- Number of risk factors: Children with no risk factors had the highest dropout rate (10.6 percent), and children with 4-7 risk factors had second highest rate (7.7 percent).

- Type of risk factors: Children with low family income, abuse/neglect of child or parent, or environmental risk were more likely to drop out than were children without the same risks; however, children with primary home language other than English were less likely to drop out than children without these same risk factors.

This report concludes with Table 8. In this last table, the total number of children in the data set for each Intermediate School District (ISD) is reported along with the percentages of those children who are male or female, Hispanic (ethnicity), and the percentages of children in each race category.

**Table 8: Gender, Ethnicity, and Race for 2013–2014 GSRP by ISD**

| ISD Code | Agency | N | Male % | Fem % | Hisp % | NaAm % | Asian % | Black % | Haw % | White % | Multi % |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 3000 | Allegan Area ESA | 203 | 49.3 | 50.7 | 14.3 | 0.5 | 0.0 | 3.0 | 0.0 | 91.1 | 5.4 |
| 4000 | Alpena-Montmorency-Alcona ESD | 181 | 52.5 | 47.5 | 1.7 | 0.6 | 0.0 | 0.6 | 0.0 | 96.1 | 2.8 |
| 8000 | Barry ISD | 84 | 46.4 | 53.6 | 2.4 | 2.4 | 0.0 | 1.2 | 0.0 | 96.4 | 0.0 |
| 9000 | Bay-Arenac ISD | 457 | 52.1 | 47.9 | 11.6 | 0.4 | 0.0 | 8.5 | 0.2 | 86.0 | 4.8 |
| 11000 | Berrien RESA | 551 | 49.5 | 50.5 | 8.5 | 8.5 | 1.8 | 26.0 | 0.2 | 62.6 | 0.9 |
| 12000 | Branch ISD | 123 | 56.9 | 43.1 | 12.2 | 0.0 | 0.8 | 0.0 | 0.0 | 99.2 | 0.0 |
| 13000 | Calhoun ISD | 724 | 51.7 | 48.3 | 7.2 | 0.1 | 4.0 | 19.3 | 0.1 | 68.8 | 7.6 |
| 14000 | Lewis Cass ISD | 150 | 53.3 | 46.7 | 6.7 | 3.3 | 0.7 | 12.0 | 1.3 | 76.0 | 6.7 |
| 15000 | Charlevoix-Emmet ISD | 208 | 57.7 | 42.3 | 0.5 | 2.9 | 0.5 | 0.5 | 0.0 | 92.8 | 3.4 |
| 16000 | Cheb-Otsego-Presque Isle ESD | 187 | 48.7 | 51.3 | 3.7 | 1.6 | 0.5 | 2.1 | 0.0 | 92.0 | 3.7 |
| 17000 | Eastern Upper Peninsula ISD | 145 | 51.7 | 48.3 | 0.0 | 18.6 | 0.0 | 1.4 | 0.0 | 71.0 | 9.0 |
| 18000 | Clare-Gladwin Regional ESD | 284 | 58.8 | 41.2 | 2.1 | 1.8 | 0.0 | 0.7 | 0.0 | 95.8 | 1.8 |
| 19000 | Clinton County RESA | 200 | 55.0 | 45.0 | 6.0 | 1.5 | 0.0 | 2.0 | 0.0 | 92.0 | 4.5 |
| 21000 | Delta-Schoolcraft ISD | 91 | 54.9 | 45.1 | 1.1 | 1.1 | 0.0 | 0.0 | 0.0 | 93.4 | 5.5 |
| 22000 | Dickinson-Iron ISD | 74 | 41.9 | 58.1 | 1.4 | 2.7 | 1.4 | 0.0 | 0.0 | 95.9 | 0.0 |
| 23000 | Eaton RESA | 212 | 53.8 | 46.2 | 4.7 | 0.5 | 0.5 | 4.2 | 0.0 | 84.0 | 10.8 |
| 25000 | Genesee ISD | 1,884 | 51.8 | 48.2 | 4.4 | 0.5 | 0.5 | 44.2 | 0.2 | 50.2 | 4.5 |
| 27000 | Gogebic-Ontonagon ISD | 50 | 52.0 | 48.0 | 2.0 | 4.0 | 0.0 | 4.0 | 2.0 | 90.0 | 0.0 |
| 28000 | Traverse Bay Area ISD | 437 | 50.3 | 49.7 | 6.6 | 1.1 | 0.7 | 0.2 | 1.4 | 91.8 | 4.8 |
| 30000 | Hillsdale ISD | 218 | 52.8 | 47.2 | 0.0 | 1.4 | 0.0 | 0.9 | 0.0 | 94.5 | 3.2 |
| 31000 | Copper Country ISD | 194 | 55.2 | 44.8 | 1.5 | 3.1 | 2.1 | 0.0 | 0.0 | 92.3 | 2.6 |
| 32000 | Huron ISD | 103 | 45.6 | 54.4 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 96.1 | 3.9 |
| 33000 | Ingham ISD | 1,056 | 49.4 | 50.6 | 11.1 | 0.1 | 3.7 | 26.9 | 0.1 | 55.0 | 14.2 |
| 34000 | Ionia ISD | 236 | 54.7 | 45.3 | 11.0 | 0.4 | 0.4 | 1.3 | 0.0 | 94.9 | 3.0 |
| 35000 | Iosco RESA | 134 | 47.0 | 53.0 | 4.5 | 1.5 | 0.0 | 0.7 | 0.0 | 97.8 | 0.0 |
| 38000 | Jackson ISD | 714 | 50.0 | 50.0 | 9.0 | 0.7 | 0.3 | 15.3 | 0.1 | 67.6 | 16.0 |
| 39000 | Kalamazoo RESA | 1,125 | 51.2 | 48.8 | 7.7 | 3.4 | 2.8 | 39.3 | 0.4 | 49.8 | 4.3 |
| 41000 | Kent ISD | 1,864 | 49.6 | 50.4 | 29.0 | 12.3 | 3.0 | 22.4 | 0.5 | 53.7 | 8.1 |
| 44000 | Lapeer ISD | 173 | 53.8 | 46.2 | 16.8 | 0.0 | 0.6 | 1.7 | 0.0 | 96.5 | 1.2 |
| 46000 | Lenawee ISD | 289 | 46.7 | 53.3 | 2.4 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 | 0.0 |
| 47000 | Livingston ESA | 220 | 48.6 | 51.4 | 4.1 | 1.4 | 0.5 | 3.6 | 0.0 | 94.5 | 0.0 |
| 50000 | Macomb ISD | 1,402 | 50.4 | 49.6 | 4.6 | 0.4 | 6.1 | 25.5 | 0.1 | 62.3 | 5.6 |
| 52000 | Marquette-Alger RESA | 93 | 51.6 | 48.4 | 1.1 | 6.5 | 0.0 | 0.0 | 0.0 | 82.8 | 10.8 |
| 53000 | West Shore ESD | 292 | 46.9 | 53.1 | 24.7 | 1.0 | 0.3 | 1.4 | 0.0 | 92.1 | 5.1 |
| 54000 | Mecosta-Osceola ISD | 261 | 50.6 | 49.4 | 1.9 | 0.8 | 0.0 | 3.1 | 0.0 | 91.2 | 5.0 |
| 55000 | Menominee ISD | 124 | 49.2 | 50.8 | 2.4 | 0.0 | 0.0 | 0.0 | 2.4 | 97.6 | 0.0 |
| 56000 | Midland County ESA | 1,661 | 50.6 | 49.4 | 12.2 | 0.5 | 0.8 | 31.2 | 0.1 | 62.0 | 5.5 |
| 58000 | Monroe ISD | 349 | 56.2 | 43.8 | 3.7 | 0.3 | 0.6 | 5.4 | 0.0 | 92.8 | 0.9 |
| 59000 | Montcalm Area ISD | 301 | 51.8 | 48.2 | 3.7 | 1.0 | 0.0 | 1.3 | 0.0 | 97.7 | 0.0 |
| 61000 | Muskegon Area ISD | 799 | 52.3 | 47.7 | 6.8 | 0.5 | 0.6 | 27.5 | 0.0 | 71.3 | 0.0 |
| 62000 | Newaygo County RESA | 293 | 51.5 | 48.5 | 8.9 | 3.4 | 0.0 | 0.3 | 0.0 | 90.1 | 6.1 |
| 63000 | Oakland Schools | 2,488 | 53.1 | 46.9 | 10.6 | 0.5 | 1.9 | 41.4 | 0.2 | 51.2 | 4.7 |
| 70000 | Ottawa Area ISD | 712 | 55.2 | 44.8 | 25.6 | 1.7 | 6.9 | 5.6 | 0.1 | 82.0 | 3.7 |
| 72000 | C.O.O.R. ISD | 215 | 49.3 | 50.7 | 1.4 | 0.0 | 0.5 | 0.0 | 0.0 | 99.1 | 0.5 |
| 74000 | St. Clair County RESA | 436 | 52.8 | 47.2 | 6.2 | 1.1 | 0.5 | 4.8 | 0.0 | 85.8 | 7.8 |
| 75000 | St. Joseph County ISD | 200 | 50.0 | 50.0 | 13.0 | 0.5 | 0.5 | 4.5 | 0.0 | 94.0 | 0.5 |
| 76000 | Sanilac ISD | 191 | 52.9 | 47.1 | 4.7 | 0.0 | 0.5 | 1.0 | 0.0 | 98.4 | 0.0 |
| 78000 | Shiawassee Regional ESD | 356 | 55.6 | 44.4 | 1.7 | 0.0 | 0.3 | 0.8 | 0.0 | 95.8 | 3.1 |
| 79000 | Tuscola ISD | 255 | 48.6 | 51.4 | 7.5 | 0.8 | 0.4 | 0.4 | 0.4 | 97.6 | 0.4 |
| 80000 | Van Buren ISD | 310 | 46.1 | 53.9 | 29.0 | 0.3 | 0.3 | 5.5 | 0.0 | 89.0 | 4.8 |
| 81000 | Washtenaw ISD | 691 | 49.6 | 50.4 | 8.0 | 1.3 | 3.6 | 40.5 | 0.0 | 47.9 | 6.7 |
| 82000 | Wayne RESA | 6,109 | 50.9 | 49.1 | 11.4 | 0.1 | 1.6 | 57.2 | 0.1 | 40.4 | 0.6 |
| 83000 | Wexford-Missaukee ISD | 257 | 50.2 | 49.8 | 1.9 | 1.2 | 0.8 | 3.1 | 0.0 | 94.2 | 0.8 |