

**Great Start Readiness Program**

**2014–2015 Risk Factor Data Report**

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## **2014–2015 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 2014–2015 program year experienced any of the seven risk factors that made them eligible for the program. The report is based on a total of 37,112 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 (37,112 vs. 30,366). Over half (63.5 percent) attended the full school day, an increase of 8.5 percentage points compared to last year.

**Table 1: GSRP 2014–2015 Enrollment by Service Type**

Service Type	Overall	Total
	<i>N</i>	%
School-Day	23,548	63.5
Part-Day	7,966	21.5
GSRP/Head Start Blend	5,598	15.0
<b>Total</b>	<b>37,112</b>	<b>100.0</b>

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, 2.19 risk factors are experienced across the various categories.

**Table 2: Descriptive Statistics of GSRP 2014–2015 Children and Risk Factors (*N*=37,112)**

	Number of Children	% of Children	Average Number of Risk Factors
<b>Gender</b>			
Male	19,051	51.3	2.21
Female	18,061	48.7	2.17
<b>Ethnicity</b>			
Hispanic/Latino	4,060	10.9	2.55
Non-Hispanic/Latino	33,052	89.1	2.15
<b>Race</b>			
American Indian/Alaska Native	493	1.3	2.53
Asian	672	1.8	2.27
Black/African American	11,081	29.9	2.14
Hawaiian/Pacific Islander	59	0.2	2.31
White	23,065	62.1	2.21
Multiracial	1,742	4.7	2.17
<b>Parent Working Status</b>			
Parent working	28,902	77.9	2.14
Parent not working	8,210	22.1	2.38
<b>GSRP Service Type</b>			
School-Day	23,548	63.5	2.23
Part-Day	7,966	21.5	2.04
GSRP/Head Start Blend	5,598	15.1	2.23
<b>Total</b>			<b>2.19</b>

Table 3 provides a description of the level of risk experienced by children. As indicated in the table, most of the children (70.3 percent of the population) experienced 2 or 3 risk factors.

**Table 3: Number of Risk Factors for GSRP Children 2014–2015 (N=37,112)**

Number of Risk Factors Reported	Number of Children	% of Children	Cumulative %
0	347	0.9	0.9
1	7,423	20.0	20.9
2	18,056	48.7	69.6
3	8,003	21.6	91.2
4–7	3,283	8.8	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 (93.4 percent and 61.2 percent, respectively).

**Table 4: Risk Factor Prevalence 2014–2015 (N=37,112)**

Risk Factor and Definition	Number of Children	% of Children
<b>Low family income</b> — Family income equal to or less than 250% of the federal poverty level (FPL).	34,648	93.4
<b>Environmental risk</b> — 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.	22,724	61.2
<b>Parent(s) with low educational attainment</b> — Parent has not graduated from high school or is illiterate.	7,554	20.4
<b>Diagnosed disability or identified developmental delay</b> — 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.	5,895	15.9
<b>Abuse/neglect of child or parent</b> — Domestic, sexual, or physical abuse of child or parent; child neglect issues; Child Protective Services report.	4,293	11.6
<b>Primary home language other than English</b> — English is not spoken in the child’s home; English is not the child’s first language.	4,069	11.0
<b>Severe or challenging behavior</b> — Child has been expelled from preschool or child care center.	2,124	5.7

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 (50.2 percent). Children without income as a risk factor were most often enrolled with one other type of risk (47.9 percent and 49.3 percent, respectively). Children enrolled without any risk factors represent less than 1 percent of the total enrollment (0.9 percent).

<b>Table 5: Risk Factors by GSRP Eligibility Prioritization (N=37,112)</b>				
<b>Risk of Low Income</b>	<b>Additional Risk Factors</b>	<b>N</b>	<b>% of Total</b>	<b>Cumulative %</b>
<b>Low family income - 250% FPL and below</b>	With no other risk	6,231	18.0	
	With 1 additional risk	17,389	50.2	
	With 2 additional risks	7,794	22.5	
	With 2 or more additional risks	3,234	9.3	
	<b>Subtotal</b>	<b>34,648</b>	<b>93.4</b>	<b>93.4</b>
<b>Without low family income risk - 251% to 300% FPL</b>	With 0 risks	214	14.0	
	With 1 risk	729	47.9	
	With 2 risks	418	27.4	
	With 3 or more risks	163	10.7	
	<b>Subtotal</b>	<b>1524</b>	<b>4.1</b>	<b>97.5</b>
<b>Without low family income risk - 301% FPL and above</b>	With 0 risks	133	14.1	
	With 1 risk	463	49.3	
	With 2 risks	249	26.5	
	With 3 or more risks	95	10.1	
	<b>Subtotal</b>	<b>940</b>	<b>2.5</b>	<b>100.0</b>
<i>Note: Federal Poverty Level (FPL)</i>				

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 2014–2015 was 26,643 or 71.8 percent of the total number of enrolled children.

**Table 6: Low Family Income and Parent Working by Service Type 2014–2015**

<b>Service Type</b>	<b>Low Family Income</b>	<b>Parent Working</b>	<b>Low Family Income and Parent Working</b>
School-Day	21,938 (93.2%)	18,653 (79.2%)	17,195 (73.0%)
Part-Day	7,193 (90.3%)	6,440 (80.8%)	5,716 (71.8%)
GSRP/Head Start Blend	5,517 (98.6%)	3,809 (68.0%)	3,732 (66.7%)
<b>Total</b>	<b>34,638 (93.4%)</b>	<b>28,902 (77.9%)</b>	<b>26,643 (71.8%)</b>

*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, same as last year. Table 7 provides information on the percentage of dropouts by child demographic statistics, service type, and risk factors for 2014–2015.

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

	<b>Total N</b>	<b>Dropout N</b>	<b>Dropout %</b>
<b>Gender</b>			
Male	19,051	1,239	6.5
Female	18,061	1,180	6.5
<b>Ethnicity**</b>			
Hispanic/Latino	4,060	220	5.4
Non-Hispanic/Latino	33,052	2,199	6.7
<b>Race***</b>			
American Indian/Alaska Native	493	26	5.3
Asian	672	31	4.6
Black/African American	11,081	1,002	9.0
Hawaiian/Pacific Islander	59	6	10.2
White	23,065	1,242	5.4
Multiracial	1,742	112	6.4
<b>Parent Working Status***</b>			
Parent working	28,902	1,489	5.2
Parent not working	8,210	930	11.3
<b>GSRP Service Type***</b>			
School-Day	23,548	1,489	6.3
Part-Day	7,966	440	5.5
GSRP/Head Start Blend	5,598	490	8.8
<b>Risk Factor</b> (compared to children without the risk)			
Low family income***	34,648	2,324	6.7 (3.9)
Diagnosed disability or identified developmental delay*	5,895	343	5.8 (6.7)
Severe or challenging behavior	2,124	144	6.8 (6.5)
Primary home language other than English**	4,069	225	5.5 (6.6)
Parent(s) with low educational attainment*	7,554	537	7.1 (6.4)
Abuse/neglect of child or parent***	4,293	337	7.8 (6.3)
Environmental risk***	22,724	1,684	7.4 (5.1)
<b>Number of Risk Factors***</b>			
0	347	9	2.6
1	7,423	363	4.9
2	18,056	1226	6.8
3	8,003	565	7.1
4–7	3,283	256	7.8
<b>Overall</b>	<b>37,112</b>	<b>2,419</b>	<b>6.5</b>

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

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 (8.8 percent).
- Child race: Hawaiian/Pacific Islander children had the highest dropout rate (10.2 percent), and Asian children had the lowest (4.6 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) (11.3 percent vs. 5.2 percent).
- Gender: Boys and girls have the same dropout rate (6.5 percent).
- Number of risk factors: Children with 4-7 risk factors had the highest rate (7.8 percent). Children with 3 risk factors had the second highest dropout rate (7.1 percent)
- Type of risk factors: Children with low family income, parent(s) with low educational attainment, 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 diagnosed disability or identified developmental delay or 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 2014–2015 GSRP by ISD**

ISD Code	Agency	N	Male %	Fem %	Hisp %	NaAm %	Asian %	Black %	Haw %	White %	Multi %
3000	Allegan Area ESA	220	55.0	45.0	13.6	0.5	1.4	1.4	0	93.6	3.2
4000	Alpena-Montmorency-Alcona ESD	216	49.5	50.5	2.8	0.0	1.4	0.0	0.9	94.4	3.2
8000	Barry ISD	130	49.2	50.8	3.1	0.0	0.0	0.8	0.0	92.3	6.9
9000	Bay-Arenac ISD	539	55.5	44.5	11.9	0.7	0.6	5.6	0.4	85.3	7.4
11000	Berrien RESA	563	54.9	45.1	10.7	0.2	0.9	23.3	0.2	75.5	0.0
12000	Branch ISD	111	49.5	50.5	9.0	0.0	0.9	0.0	0.0	99.1	0.0
13000	Calhoun ISD	894	49.8	50.2	6.0	0.3	5.8	18.5	0.0	65.9	9.5
14000	Lewis Cass ISD	142	46.5	53.5	5.6	0.7	0.7	7.0	0.0	85.9	5.6
15000	Charlevoix-Emmet ISD	295	51.2	48.8	3.4	2.4	0.7	0.3	0.0	89.5	7.1
16000	Cheb-Otsego-Presque Isle ESD	182	52.7	47.3	2.7	2.7	0.5	0.5	0.0	92.3	3.8
17000	Eastern Upper Peninsula ISD	180	53.9	46.1	1.1	16.1	0.6	0.6	0.0	71.7	11.1
18000	Clare-Gladwin Regional ESD	292	52.1	47.9	4.5	1.7	0.0	1.0	0.0	96.2	1.0
19000	Clinton County RESA	225	52.0	48.0	8.0	0.0	0.9	2.2	0.4	91.1	5.3
21000	Delta-Schoolcraft ISD	107	44.9	55.1	2.8	15.0	0.0	0.0	0.0	76.6	8.4
22000	Dickinson-Iron ISD	78	44.9	55.1	1.3	2.6	0.0	1.3	1.3	94.9	0.0
23000	Eaton RESA	230	53.0	47.0	7.8	0.4	0.0	4.3	0.0	90.4	4.8
25000	Genesee ISD	2,177	52.6	47.4	4.8	0.5	0.5	45.2	0.0	47.0	6.8
27000	Gogebic-Ontonagon ISD	48	45.8	54.2	0.0	0.0	0.0	0.0	0.0	100.0	0.0
28000	Traverse Bay Area ISD	618	47.9	52.1	6.1	3.4	0.2	0.3	0.2	91.4	4.5
30000	Hillsdale ISD	268	47.0	53.0	2.2	1.1	0.4	0.4	0.0	96.6	1.5
31000	Copper Country ISD	161	50.3	49.7	4.3	4.3	5.0	0.0	0.0	86.3	4.3
32000	Huron ISD	126	54.8	45.2	1.6	0.0	0.0	0.0	0.0	100.0	0.0
33000	Ingham ISD	1,221	53.7	46.2	15.3	0.4	4.5	26.9	0.0	55.2	12.9
34000	Ionia ISD	287	51.2	48.8	7.0	0.3	1.0	0.3	0.0	96.2	2.1
35000	Iosco RESA	142	57.0	43.0	4.2	0.0	0.0	1.4	0.7	96.5	1.4
38000	Jackson ISD	760	52.4	47.6	7.5	0.1	0.4	18.3	0.0	67.1	14.1
39000	Kalamazoo RESA	1,511	49.9	50.1	11.1	0.3	2.3	35.2	0.1	52.9	9.2
41000	Kent ISD	2,626	51.1	48.9	30.8	8.0	3.6	28.3	0.5	55.8	3.8
44000	Lapeer ISD	170	58.8	41.2	6.5	0.0	0.0	1.2	0.6	97.1	1.2
46000	Lenawee ISD	290	56.9	43.1	12.8	0.0	0.0	2.8	0.0	96.9	0.3
47000	Livingston ESA	326	48.8	51.2	6.4	1.2	0.6	4.0	0.0	92.0	2.1
50000	Macomb ISD	1,959	49.7	50.3	3.7	0.0	4.8	32.5	0.3	56.3	6.1
52000	Marquette-Alger RESA	98	51.0	49.0	2.0	5.1	0.0	0.0	0.0	89.8	5.1
53000	West Shore ESD	334	54.5	45.5	23.1	0.3	0.0	2.1	0.3	95.2	2.1
54000	Mecosta-Osceola ISD	286	52.4	47.6	4.5	0.3	0.0	3.5	0.0	90.6	5.6
55000	Menominee ISD	107	58.0	42.0	1.9	1.9	0.0	3.7	0.9	93.5	0.0
56000	Midland County ESA	1,771	52.2	47.8	12.9	0.6	0.7	29.8	0.1	64.4	4.5
58000	Monroe ISD	394	54.3	45.7	5.6	0.3	0.8	2.0	0.3	87.8	8.9
59000	Montcalm Area ISD	387	51.4	48.6	6.2	0.8	1.0	1.8	0.3	95.6	0.5
61000	Muskegon Area ISD	883	48.4	51.6	9.3	0.6	1.4	24.2	0.0	73.6	0.2
62000	Newaygo County RESA	328	54.3	45.7	9.8	3.4	0.0	0.6	0.3	92.7	3.0
63000	Oakland Schools	3,044	52.0	48.0	10.9	0.2	2.5	40.5	0.2	51.7	5.0
70000	Ottawa Area ISD	912	52.4	47.6	26.6	0.4	2.9	4.6	0.3	84.4	7.3
72000	C.O.O.R. ISD	310	52.3	47.7	1.9	0.0	0.6	1.3	0.0	96.8	1.3
74000	St. Clair County RESA	530	48.0	52.0	6.4	0.8	0.2	5.3	0.0	83.2	10.6
75000	St. Joseph County ISD	404	53.7	46.3	17.6	0.7	1.0	4.7	0.0	89.6	4.0
76000	Sanilac ISD	205	53.2	46.8	12.2	0.5	0.0	1.0	0.0	96.1	2.4
78000	Shiawassee Regional ESD	426	51.9	48.1	1.4	0.7	0.2	0.7	0.0	95.8	2.6
79000	Tuscola ISD	303	55.8	44.2	3.6	0.3	0.0	1.3	0.0	97.4	1.0
80000	Van Buren ISD	312	48.4	51.6	38.5	0.3	0.0	3.2	1.0	90.1	5.5
81000	Washtenaw ISD	967	50.0	50.0	9.3	0.5	4.3	42.9	0.2	43.5	8.5
82000	Wayne RESA	7,705	50.0	50.0	10.1	1.1	1.4	62.0	0.1	34.0	1.4
83000	Wexford-Missaukee ISD	312	47.8	52.2	2.6	0.6	1.3	1.9	0.3	95.8	0.0