

**Great Start Readiness Program
2015–2016 Risk Factor Data Report**

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2015–2016 Risk Factor Analysis

The Great Start Readiness Program (GSRP) uses a list of seven qualifying risk factors for enrollment into the program. Therefore, the maximum number of risk factors a child could experience is seven. Children below 250% of the Federal Poverty Line (FPL) are enrolled starting with the lowest household income quintile. A maximum of 10% of children can be enrolled from households above 250% of the FPL. Additionally an Intermediate School District (ISD) that has not filled all slots and has only over-income children on its waiting list in mid-October may submit a written waiver request to serve additional over-income children. Three ISDs received approval to do so in 2015-16. 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 2015–2016 program year experienced any of the seven risk factors that made them eligible for the program. The report is based on a total of 39,401 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 the GSRP this year, compared to last year (39,401 vs. 37,112). Over half (65.1%) attended the full school day, an increase of 1.6 percentage points compared to last year.

Table 1: GSRP 2015–2016 Enrollment by Service Type

Service Type	Overall Total	
	<i>N</i>	%
School-Day	25,631	65.1
Part-Day	6,877	17.4
GSRP/Head Start Blend	6,893	17.5
Total	39,401	100

Table 2 provides demographic information on the number and percentage of children in the GSRP, as well as the average number of risk factors across demographic categories and service type. As can be seen, on average, 2.16 risk factors are experienced across the various categories.

Table 2: Descriptive Statistics of GSRP 2015–2016 Children and Risk Factors (N=39,401)

	Number of Children	% of Children	Average Number of Risk Factors
Gender			
Male	20,200	51.3	2.20
Female	19,201	48.7	2.13
Ethnicity			
Hispanic/Latino	4,277	10.9	2.50
Non-Hispanic/Latino	35,124	89.1	2.12
Race			
American Indian/Alaska Native	313	0.8	2.37
Asian	677	1.7	2.24
Black/African American	11,570	29.4	2.16
Hawaiian/Pacific Islander	73	0.2	2.36
White	24,307	61.7	2.15
Multiracial	2,220	5.6	2.19
Parent Working Status			
Parent working	31,373	79.6	2.11
Parent not working	8,028	20.4	2.38
GSRP Service Type			
School-Day	25,631	65.1	2.18
Part-Day	6,877	17.4	1.92
GSRP/Head Start Blend	6,893	17.5	2.32
Total			2.16

Table 3 provides a description of the level of risk experienced by children. As indicated in the table, most of the children (68.6% of the population) experienced 1 or 2 risk factors. Additionally, 21.4% of the children experienced 3 risk factors.

Table 3: Number of Risk Factors for GSRP Children 2015–2016 (N=39,401)

Number of Risk Factors Reported	Number of Children	% of Children	Cumulative %
0	505	1.3	1.3
1	8,499	21.6	22.9
2	18,528	47.0	69.9
3	8,453	21.4	91.3
4–7	3,416	8.7	100

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 (94.2% and 59.7%, respectively).

Table 4: Risk Factor Prevalence 2015–2016 (N=39,401)

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).	37,101	94.2
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.	23,526	59.7
Parent(s) with low educational attainment — Parent has not graduated from high school or is illiterate.	7,587	19.3
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.	6,805	17.3
Primary home language other than English — English is not spoken in the child’s home; English is not the child’s first language.	4,249	10.8
Abuse/neglect of child or parent — Domestic, sexual, or physical abuse of child or parent; child neglect issues; Child Protective Services report.	3,951	10.0
Severe or challenging behavior — Child has been expelled from preschool or child care center.	2,031	5.2

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 (48.4%). Children without income as a risk factor were most often enrolled with one other type of risk (42.2% and 47.3%, respectively). Children enrolled without any risk factors represent approximately 1% of the total enrollment (1.2%).

Table 5: Risk Factors by GSRP Eligibility Prioritization (N=39,401)

Risk of Low Income	Additional Risk Factors	N	% of Total	Cumulative %
Low family income - 250% FPL and below	With no other risk	7,481	20.2	
	With 1 additional risk	17,943	48.4	
	With 2 additional risks	8,294	22.3	
	With 2 or more additional risks	3,383	9.1	
	Subtotal	37,101	94.2	94.2
Without low family income risk - 251% to 300% FPL	With 0 risks	275	20.0	
	With 1 risk	580	42.2	
	With 2 risks	392	28.5	
	With 3 or more risks	127	9.3	
	Subtotal	1,374	3.5	97.7
Without low family income risk - 301% FPL and above	With 0 risks	230	24.8	
	With 1 risk	438	47.3	
	With 2 risks	193	20.9	
	With 3 or more risks	65	7.0	
	Subtotal	926	2.3	100.0

Note: Federal Poverty Level (FPL)

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 2015-2016 was, 29,216 or 74.2% of the total number of enrolled children.

Table 6: Low Family Income and Parent Working by Service Type 2015–2016

Service Type	Low Family Income	Parent Working	Low Family Income and Parent Working
School-Day	24,034 (93.8%)	20,886 (81.5%)	19,387 (73.1%)
Part-Day	6,259 (91.0%)	5,609 (81.6%)	5,027 (73.1%)
GSRP/Head Start Blend	6,808 (98.8%)	4,878 (70.8%)	4,802 (69.7%)
Total	37,101 (94.2%)	31,373 (79.6%)	29,216 (74.2%)

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 the GSRP. Every year, some children who enroll leave the program before the end of the year. This year, the overall GSRP dropout rate was 5.2%, a decrease in the dropout rate of 1.3% as compared to last year. Table 7 provides information on the percentage of dropouts by child demographic statistics, service type, and risk factors for 2015–2016.

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

	Total N	Dropout N	Dropout %
Gender			
Male	20,200	1,076	5.3
Female	19,201	976	5.1
Ethnicity			
Hispanic/Latino	4,277	231	5.4
Non-Hispanic/Latino	35,124	1,821	5.2
Race***			
American Indian/Alaska Native	313	9	2.9
Asian	677	40	5.9
Black/African American	11,570	806	7.0
Hawaiian/Pacific Islander	73	3	4.1
White	24,307	1,067	4.4
Multiracial	2,220	112	5.0
Parent Working Status***			
Parent working	31,373	1,377	4.4
Parent not working	8,028	675	8.4
GSRP Service Type***			
School-Day	25,631	1,246	4.9
Part-Day	6,877	370	5.4
GSRP/Head Start Blend	6,893	436	6.3
Risk Factor (compared to children without the risk)			
Low family income***	37,101	1,987	5.4 (2.8)
Diagnosed disability or identified developmental delay	6,805	365	5.4 (5.2)
Severe or challenging behavior**	2,031	133	6.5 (5.1)
Primary home language other than English	4,249	204	4.8 (5.3)
Parent(s) with low educational attainment**	7,587	445	5.9 (5.1)
Abuse/neglect of child or parent**	3,951	245	6.2 (5.1)
Environmental risk***	23,526	1,360	5.8 (4.3)
Number of Risk Factors***			
0	505	12	2.4
1	8,499	352	4.1
2	18,528	952	5.1
3	8,453	498	5.9
4-7	3,416	238	7.0
Overall	39,401	2,052	5.2

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 (families at 0-100% FPL) had the highest dropout rate (6.3%).
- Child race: Black/African American children had the highest dropout rate (7%), and American Indian/Alaska Native children had the lowest (2.9%).
- Parent(s) working: Children whose parent(s) did not work were more likely to drop out compared to those with a working parent(s) (8.4% vs. 4.4%).
- Gender: Boys had a slightly higher dropout rate than girls (5.3% vs. 5.1%).
- Number of risk factors: Children with 4-7 risk factors had the highest dropout rate (7.0%). Children with 3 risk factors had the second highest dropout rate (5.9%).
- Type of risk factors: Children with low family income, severe or challenging behavior, 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 risk.

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 2015–2016 GSRP by ISD

ISD Code	Agency	N	Male%	Fem%	Hisp%	NaAm%	Asian%	Black%	Haw%	White%	Multi%
3000	Allegan Area ESA	299	49.2	50.8	14.4	0	0.3	2.7	0.3	93	3.7
4000	Alpena-Montmorency-Alcona ESD	217	51.2	48.9	0	0	0.5	0	0	98.2	1.4
8000	Barry ISD	154	50	50	5.2	0	0	0.7	0	97.4	2
9000	Bay-Arenac ISD	558	53.4	46.6	11.5	0.7	0.2	4.1	0	86.6	8.4
11000	Berrien RESA	557	53.3	46.7	10.1	1.2	1	27.2	0	66.3	4.3
12000	Branch ISD	137	51.1	48.9	18.3	0	0	2.9	0.7	96.4	0
13000	Calhoun ISD	899	51.8	48.2	7.3	0.5	7	19.9	0.3	64.2	8.2
14000	Lewis Cass ISD	158	52.5	47.5	2.5	0.6	0.6	3.8	0	85.4	9.5
15000	Charlevoix-Emmet ISD	284	53.2	46.8	3.5	2.1	0.4	0	0	88.3	9.2
16000	Cheb-Otsego-Presque Isle ESD	199	54.3	45.7	1.5	1	2	1	0	91.5	4.5
17000	Eastern Upper Peninsula ISD	178	51.1	48.9	1.7	10.7	0.6	1.7	0	69.7	17.4
18000	Clare-Gladwin Regional ESD	303	55.8	44.2	2.6	0.3	0	1	0	93.1	5.6
19000	Clinton County RESA	228	54	46.1	7.9	0	0	2.8	0	92.1	5.1
21000	Delta-Schoolcraft ISD	122	50	50	4.1	1.6	0	0.8	0	88.5	9
22000	Dickinson-Iron ISD	76	35.5	64.5	1.3	1.3	0	1.3	0	94.7	2.6
23000	Eaton RESA	279	55.2	44.8	3.9	1.1	0.7	3.6	0.4	87.8	6.5
25000	Genesee ISD	2,230	52.2	47.8	5.2	0.5	0.4	42.3	0.1	51.3	5.5
27000	Gogebic-Ontonagon ISD	48	35.4	64.6	0	0	0	0	0	97.9	2.1
28000	Traverse Bay Area ISD	619	54	46	4.9	1.5	0.2	0.2	0.3	94.4	3.4
30000	Hillsdale ISD	249	50.2	49.8	3.6	0.4	0	0.4	0.4	94.8	4
31000	Copper Country ISD	142	57	43	1.4	7.0	4.9	0.7	1.4	78.9	7
32000	Huron ISD	111	55	45.1	5.4	0	0	0	0	100	0
33000	Ingham ISD	1,285	53.9	46.2	16.7	0.2	4.8	27.9	0	55	12.2
34000	Ionia ISD	284	49.7	50.4	7.8	0.4	0	0	1.1	93.3	5.3
35000	Iosco RESA	132	55.3	44.7	3.8	0	0.8	0.8	0	97	1.5
38000	Jackson ISD	771	50.3	49.7	6.4	0.3	0.4	15.5	0.1	69.9	13.9
39000	Kalamazoo RESA	1,439	49.3	50.7	10.2	0.3	1.5	32.7	0.3	56	9.3
41000	Kent ISD	3,332	52	48	27.1	4.6	3.8	27.4	0.5	55.9	7.8
44000	Lapeer ISD	231	50.2	49.8	14.3	0	0	2.2	0	96.1	1.7
46000	Lenawee ISD	324	52.2	47.8	17.9	0.9	0	9.9	0	87	2.2
47000	Livingston ESA	381	51.4	48.6	5	0	0	0.8	0.5	98.4	0.3
50000	Macomb ISD	2,370	50.7	49.3	3.8	0	4.8	34	0.3	55.2	5.6
52000	Marquette-Alger RESA	94	52.1	47.9	2.1	1.1	0	0	0	91.5	7.5
53000	West Shore ESD	320	55	45	23.4	1.1	0.7	3.6	0.4	91	3.3
54000	Mecosta-Osceola ISD	287	54	46	2.4	0.4	0.4	3.5	0	92.7	3.1
55000	Menominee ISD	104	60.6	39.4	3.9	0	0	0	0	98.0	2
56000	Midland County ESA	1,785	51.1	48.9	14.0	0.5	0.5	31	0.2	61.7	6.3
58000	Monroe ISD	441	49.9	50.1	5.9	0	0.7	8.4	0.2	86.4	4.3
59000	Montcalm Area ISD	407	50.1	49.9	4.7	0.8	0.5	1.8	0	97	0
61000	Muskegon Area ISD	916	49.6	50.4	7.9	0.7	0.8	18.1	0.1	74.5	5.9
62000	Newaygo County RESA	361	53.5	46.5	11.1	1.4	0.3	0.8	0	94.5	3.1
63000	Oakland Schools	3,376	50.2	49.8	11.3	0.2	2.3	39.5	0.1	51	7
70000	Ottawa Area ISD	921	52.2	47.8	22.7	1.4	3.6	4.6	0.3	80.3	9.8
72000	C.O.O.R. ISD	347	53.9	46.1	1.2	0	0	0.6	0	96.2	3.2
74000	St. Clair County RESA	525	50.3	49.7	8	0.2	0.4	5.1	0	81.5	12.8
75000	St. Joseph County ISD	458	52.2	47.8	15.3	0.2	1.3	4.8	0	89.5	4.2
76000	Sanilac ISD	233	53.2	46.8	6.0	0	0	0.9	0.4	93.1	5.6
78000	Shiawassee Regional ESD	405	44.4	55.6	3	0.3	0	0.5	0	96.3	3
79000	Tuscola ISD	305	52.8	47.2	3.9	0.3	0.7	3.3	0	95.1	0.7
80000	Van Buren ISD	352	50	50	33.8	0	0.3	2.3	0	91.8	5.7
81000	Washtenaw ISD	897	51.6	48.4	10.9	0.5	3	38.9	0.1	46.6	11
82000	Wayne RESA	7,950	50.3	49.7	9.8	0.1	1	62.6	0.1	34.4	1.7
83000	Wexford-Missaukee ISD	321	52.7	47.4	3.4	0.3	1	0	0	92.7	6.1