



Great Start Readiness Program (GSRP)

STATE EVALUATION 2017-18 ANNUAL REPORT

Part Two: Child Eligibility Report

Jamie Heng-Chieh Wu, Ph.D.
KyungSook Lee, Ph.D.
Laurie A. Van Egeren, Ph.D.

Community Evaluation and Research Collaborative
University Outreach and Engagement
Michigan State University

In Collaboration with Michigan State University
School of Planning, Design and Construction
Center for Statistical Training and Consulting

MICHIGAN STATE
UNIVERSITY

University Outreach
and Engagement
Community Evaluation
and Research Collaborative

Center for Statistical
Training and Consulting

School of Planning,
Design and Construction



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Background

The Great Start Readiness Program (GSRP) state evaluation team, led by the Community Evaluation and Research Collaborative at Michigan State University's (MSU) Office of University Outreach and Engagement, started the project in October 2017. A data sharing agreement was executed in October 2018 between MSU, Michigan Department of Education (MDE) and Michigan's Center for Educational Performance and Information (CEPI) for accessing child-level data. For Cohort 1/Year 1 (2017-2018), child-level data were not available until late January 2019 as data reporting procedures and quality control systems required revision. Child-level data are scheduled to be available to MSU between July and August yearly for Cohort 2 and future cohorts.



According to Public Act 60 of 2013, 90% of all children enrolled in the GSRP classrooms must qualify with family income under 250% of the Federal Poverty Level (FPL). GSRP applicants are ranked by family's FPL and programs enroll children from families with the lowest income first. Children whose families are at the same poverty level are ranked according to other collected eligibility factors.¹ In addition, based on Public Act 249 of 2016, the Office of Great Start at MDE also specifies that any children who are **homeless**, in the **foster care system** or who have an **individualized education program** (IEP) recommending placement in an inclusive preschool setting must be considered to be in the 0% to 50% of FPL quintile and such eligibility factor, along with others, must be considered when prioritizing children for enrollment.² The eligibility factors used for 2017-18 program registration include:³

- 1. Low family income:** Equal to or less than 250% of Federal Poverty Level (FPL).
- 2. 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.
- 3. Severe or challenging behavior:** Child has been expelled from preschool or child care center
- 4. Primary home language other than English:** English is not spoken in the child's home; English is not the child's first language.

- 5. Parent/guardian with low educational attainment:** Parent has not graduated from high school or is illiterate.
- 6. Abuse/neglect of child or parent:** Domestic, sexual, or physical abuse of child or parent; child neglect issues; Child Protective Services report.
- 7. 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

Intermediate School Districts (ISDs) that have space remaining after filling slots with all eligible children may enroll up to 10% of children from over-income families. In mid-October, ISDs that still have space with only over-income children on the waiting list may, in very limited situations, submit a waiver request to serve additional over-income children. Except for applicants with an IEP, all over-income families pay a sliding-scale tuition rate set by the ISD and calculated based on family income. During the 2017-18 school year, MDE funded 37,325 GSRP slots, and a total of 38,088 children participated in GSRP classrooms. The 2% overage was mostly due to child replacements (children who attended for a period of time during the Spring Count period of November 1 - February 9 but did not stay, in which the slots were filled by other children) or over-income children who were tuition-based.

1 https://www.michigan.gov/documents/mde/Imp_Manual_11_2017_607058_7.pdf

2 https://www.michigan.gov/documents/mde/FY17_GSRP_Eligibility_-_Homeless_Foster_Care_and_IEPsADA_532112_7.pdf

3 https://www.michigan.gov/documents/mde/Risk_Factor_Definitions_408472_7.pdf

2017-2018 Child Characteristics

In the 2017-2018 program year, GSRP funding was awarded to 53 ISDs, who oversaw 761 subrecipients managing 1,200 sites and operating 2,361 classrooms. Among the total 38,088 children, approximately 12% participated in more than one classroom due to family relocations. A detailed breakdown of child demographics and counts

by classroom types can be found in Table 1. The majority of children were in GSRP exclusive programs (in contrast to GSRP/Head Start Blend), school-based classrooms and following school-day schedules. Table 2 lists the demographic breakdowns by ISD.

Table 1. GSRP 2017-18 Children Demographics and Counts by Classroom Types

	Number of Children (Total = 38,088)	% of Children
Gender		
Male	18,571	49%
Female	19,517	51%
Ethnicity		
Hispanic/Latino	3,844	10%
Non-Hispanic/Latino	34,244	90%
Race		
White	20,433	60%
Black/African American	10,902	32%
Multiracial	1,914	6%
Asian	761	2%
American Indian/Alaska Native	187	1%
Hawaiian/Pacific Islander	47	<1%
GSRP Service Program Type*		
GSRP Exclusive	35,834	82%
GSRP/Head Start Blend	7,658	18%
GSRP Delivery Method*		
School-Based	30,875	71%
CBO-Based	12,617	29%
GSRP Delivery Schedule*		
School-Day	38,797	89%
Part-Day	4,695	11%

Note. CBO = community based organization. *The numbers of child count exceed the total unique student number of 38,088 because some students attended multiple classrooms due to relocation.

Table 2. GSRP 2017–18 Child Demographics by ISD

Agency	N	F%	M%	White%	Black%	Hisp%	Asian%	Multi%	AIAN%	NHPI%
Michigan	38,088	51%	49%	54%	29%	10%	2%	5%	1%	<1%
Allegan Area ESA	283	53%	47%	79%	7%	12%	2%	0%	0%	0%
AMA ESD	220	47%	53%	92%	1%	1%	0%	5%	0%	0%
Barry ISD	139	50%	50%	91%	0%	6%	0%	4%	0%	0%
Bay-Arenac ISD	530	51%	49%	80%	4%	10%	0%	6%	0%	0%
Berrien RESA	516	52%	48%	55%	29%	9%	1%	5%	1%	0%
Branch ISD	145	46%	54%	86%	2%	10%	0%	1%	0%	0%
Calhoun ISD	849	50%	50%	56%	18%	9%	6%	10%	0%	0%
Charlevoix ISD	270	47%	53%	87%	2%	0%	0%	7%	4%	0%
Clare-Gladwin RESD	313	48%	52%	91%	4%	2%	0%	1%	3%	0%
Clinton County RESA	208	52%	48%	77%	3%	12%	0%	7%	0%	0%
COOR ISD	298	51%	49%	95%	1%	1%	1%	1%	0%	0%
COPESD	193	45%	55%	91%	0%	2%	1%	7%	1%	0%
Copper Country ISD	126	47%	53%	79%	1%	2%	1%	6%	10%	0%
Delta-Schoolcraft ISD	130	58%	42%	84%	1%	0%	1%	8%	6%	1%
Dickinson-Iron ISD	78	50%	50%	88%	0%	6%	0%	3%	3%	0%
Eaton RESA	262	43%	57%	81%	3%	8%	0%	7%	0%	0%
EUP ISD	145	55%	45%	78%	0%	3%	1%	1%	18%	0%
Genesee ISD	2261	51%	49%	47%	40%	5%	0%	7%	0%	0%
Gogebic-Ontonagon ISD	45	44%	56%	100%	0%	0%	0%	0%	0%	0%
Hillsdale ISD	252	53%	47%	94%	0%	4%	0%	1%	1%	0%
Huron ISD	114	52%	48%	96%	1%	2%	0%	1%	0%	0%
Ingham ISD	1238	49%	51%	42%	24%	17%	5%	12%	0%	0%
Ionia County ISD	288	50%	50%	85%	1%	7%	0%	6%	0%	0%
Iosco RESA	129	48%	52%	91%	1%	0%	1%	7%	0%	1%
Jackson County ISD	731	51%	49%	66%	14%	4%	1%	15%	0%	0%
Kalamazoo RESA	1299	49%	51%	45%	34%	9%	2%	11%	0%	0%
Kent ISD	3267	48%	52%	36%	27%	26%	5%	6%	0%	0%
Lapeer County ISD	207	45%	55%	82%	1%	14%	0%	2%	0%	0%
Lenawee ISD	337	45%	55%	79%	3%	15%	1%	2%	0%	0%
Lewis Cass ISD	147	44%	56%	79%	2%	8%	2%	7%	1%	1%
Livingston ESA	343	51%	49%	95%	1%	4%	0%	0%	0%	0%
Macomb ISD	2202	48%	52%	53%	31%	3%	5%	7%	0%	0%
Marquette-Alger RESA	93	52%	48%	86%	0%	0%	0%	10%	3%	1%
Mecosta-Osceola ISD	275	48%	52%	92%	2%	4%	1%	1%	0%	0%
Menominee County ISD	98	55%	45%	90%	2%	4%	1%	2%	1%	0%
Midland County ESA	1645	49%	51%	49%	32%	13%	1%	5%	1%	0%
Monroe County ISD	442	45%	55%	80%	7%	6%	1%	5%	0%	0%
Montcalm Area ISD	388	48%	52%	93%	1%	5%	0%	1%	1%	0%
Muskegon Area ISD	990	49%	51%	62%	23%	7%	0%	6%	0%	0%
Newaygo County RESA	370	51%	49%	87%	1%	9%	0%	2%	0%	0%
Oakland Schools	3087	48%	52%	43%	38%	10%	3%	5%	0%	0%
Ottawa Area ISD	869	50%	50%	64%	3%	23%	3%	5%	0%	0%
Sanilac ISD	220	45%	55%	91%	0%	6%	0%	2%	0%	0%
Shiawassee RESD	403	48%	52%	91%	0%	4%	0%	3%	0%	0%
St. Clair County RESA	510	47%	53%	77%	8%	5%	0%	10%	0%	0%
St. Joseph County ISD	416	50%	50%	72%	4%	18%	0%	5%	1%	0%
Traverse Bay Area ISD	626	46%	54%	86%	1%	6%	0%	4%	2%	0%
Tuscola ISD	286	46%	54%	91%	1%	5%	0%	2%	0%	0%
Van Buren ISD	329	50%	50%	58%	4%	33%	0%	5%	0%	0%
Washtenaw ISD	908	49%	51%	42%	39%	8%	4%	6%	0%	0%
Wayne RESA	7908	49%	51%	29%	60%	8%	2%	1%	0%	0%
West Shore ESD	313	48%	52%	68%	2%	26%	0%	3%	0%	0%
Wexford-Missaukee ISD	347	45%	55%	92%	1%	3%	1%	2%	1%	0%

Note. F refers to female; M refers to male; Hisp refers to Hispanic; Multi refers to multi-racial; AIAN refers to American Indian or Alaska Native; NHPI refers to Native Hawaiian or other Pacific Islander.

Low family income and environment risk were the two most prevalent eligibility factors. The data suggests that the majority of children served by the program were those in Michigan with **the greatest need**, evidenced by 96% coming from low-income

families (defined as family income equal to or less than 250% of FPL). Table 3 demonstrates counts of children by each eligibility factor, and Table 4 lists the details by each ISD.

Table 3. GSRP 2017-18 Child Counts by Eligibility Factors

Eligibility Factor and Definition	Number of Children (Total - 38,088)	% of Children
Low family income: Equal to or less than 250% of Federal Poverty Level (FPL)	36,375	96%
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	20,987	55%
Parent/guardian with low educational attainment: Parent has not graduated from high school or is illiterate	6,887	18%
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	4,882	13%
Primary home language other than English: English is not spoken in the child's home; English is not the child's first language	3,450	9%
Abuse/neglect of child or parent: Domestic, sexual, or physical abuse of child or parent; child neglect issues	3,307	9%
Severe or challenging behavior: Child has been expelled from preschool or child care center	1,432	4%



Table 4. GSRP 2017–18 Child Eligibility by ISD

Agency	Total Children	Low Income	Environmental Risk	Parent/guardian with low educational attainment	Disability/Delay	Home Language other than English	Abuse/Neglect	Severe/Challenging Behavior
Michigan	38,088	96%	55%	18%	13%	9%	9%	4%
Allegan Area ESA	283	95%	44%	4%	11%	5%	5%	11%
AMA ESD	220	74%	94%	18%	55%	0%	40%	8%
Barry ISD	139	95%	36%	14%	34%	0%	6%	10%
Bay-Arenac ISD	530	95%	43%	8%	18%	0%	6%	2%
Berrien RESA	516	99%	54%	19%	5%	0%	9%	4%
Branch ISD	145	100%	75%	28%	6%	16%	8%	5%
Calhoun ISD	849	94%	58%	28%	18%	0%	13%	11%
Charlevoix ISD	270	91%	65%	29%	9%	0%	49%	0%
Clare-Gladwin RESD	313	94%	95%	21%	4%	0%	21%	3%
Clinton County RESA	208	93%	53%	5%	14%	1%	9%	5%
COOR ISD	298	91%	64%	30%	19%	1%	27%	1%
COPESD	193	93%	77%	18%	13%	0%	20%	6%
Copper Country ISD	126	95%	60%	17%	22%	3%	16%	2%
Delta-Schoolcraft ISD	130	83%	58%	43%	10%	0%	24%	12%
Dickinson-Iron ISD	78	92%	50%	8%	10%	0%	1%	1%
Eaton RESA	262	90%	58%	12%	20%	0%	18%	3%
EUP ISD	145	89%	50%	11%	10%	0%	7%	1%
Genesee ISD	2261	97%	62%	18%	11%	1%	4%	5%
Gogebic-Ontonagon ISD	45	78%	0%	0%	13%	0%	0%	0%
Hillsdale ISD	252	92%	54%	21%	13%	0%	15%	2%
Huron ISD	114	87%	45%	10%	30%	0%	8%	25%
Ingham ISD	1238	96%	58%	7%	11%	1%	5%	3%
Ionia County ISD	288	92%	82%	13%	21%	0%	35%	1%
Iosco RESA	129	91%	59%	32%	20%	0%	46%	0%
Jackson County ISD	731	94%	52%	22%	10%	1%	16%	4%
Kalamazoo RESA	1299	94%	65%	11%	9%	10%	4%	4%
Kent ISD	3267	92%	33%	15%	12%	21%	4%	2%
Lapeer County ISD	207	99%	46%	20%	13%	7%	14%	2%
Lenawee ISD	337	99%	77%	31%	20%	0%	11%	13%
Lewis Cass ISD	147	90%	59%	12%	17%	3%	14%	14%
Livingston ESA	343	100%	87%	58%	48%	0%	18%	0%
Macomb ISD	2202	96%	40%	17%	12%	9%	6%	2%
Marquette-Alger RESA	93	94%	66%	2%	17%	0%	9%	4%
Mecosta-Osceola ISD	275	93%	82%	33%	46%	0%	31%	4%
Menominee County ISD	98	83%	72%	31%	10%	6%	30%	19%
Midland County ESA	1645	96%	66%	16%	16%	4%	6%	2%
Monroe County ISD	442	91%	66%	15%	25%	1%	14%	5%
Montcalm Area ISD	388	92%	93%	4%	16%	1%	6%	1%
Muskegon Area ISD	990	93%	64%	16%	13%	2%	14%	3%
Newaygo County RESA	370	86%	99%	19%	29%	5%	7%	8%
Oakland Schools	3087	97%	42%	14%	11%	10%	8%	4%
Ottawa Area ISD	869	96%	27%	13%	16%	7%	5%	4%
Sanilac ISD	220	94%	31%	5%	23%	0%	5%	1%
Shiawassee RESD	403	91%	41%	19%	19%	0%	5%	8%
St. Clair County RESA	510	95%	58%	25%	14%	0%	7%	6%
St. Joseph County ISD	416	95%	8%	2%	21%	7%	2%	3%
Traverse Bay Area ISD	626	93%	49%	12%	10%	1%	14%	1%
Tuscola ISD	286	94%	99%	16%	17%	0%	22%	6%
Van Buren ISD	329	97%	58%	19%	21%	18%	10%	3%
Washtenaw ISD	908	99%	37%	9%	10%	12%	5%	1%
Wayne RESA	7908	99%	61%	25%	6%	20%	5%	3%
West Shore ESD	313	91%	80%	26%	19%	1%	8%	7%
Wexford-Missaukee ISD	347	95%	69%	22%	11%	1%	46%	5%

To better understand the underlying groups of children who might share similar experiences associated with the eligibility factors, a latent class analysis was performed. The full dataset included 38,088 children with 7 eligibility factors. Results from the Vuong-Lo-Mendell-Rubin test and bootstrapped parametric likelihood ratio test suggested **5 distinct groups** ($p < 0.000$). **Group #1** represented the most typical GSRP children (48%) with income level below 100% FPL and having a moderate amount of eligibility factors. **Group #2** accounted for 22% of total GSRP children who had the least eligibility factors and having income level between 151% -250%. **Group #3** accounted for 20% of the total children with their eligibility factors similar to Group #1 but a slightly higher income level (101%-150% FPL). **Group #4** represented 6% of GSRP children who had the most eligibility factors and lowest income. **Group #5** represented 4% of GSRP children whose income level was 251% and above FPL but possessing substantial amount of eligibility factors. Table 5 lists the detailed information on each group with the percentage of

children having specific eligibility factors. Overall, all groups of children experienced moderate to high levels of environmental risk (e.g., parental loss due to death, divorce, incarceration, military service or absence). Figure 1 displays the percent of children by eligibility factor group and Figure 2 shows the number of children by each group and their federal poverty level.

Based on the data listed in Table 5, Figure 3 presents a visual display of the distribution of each eligibility factor possessed by each group. As noted earlier, Group #4 children had the most eligibility factors – they had almost all factors except “primary home language other than English.” All other groups had fewer eligibility factors in general, but were more likely to have a primary home language other than English. Because such a factor was possessed by other groups with fewer eligibility factors, the data suggests that it might be foundationally different from other eligibility factors. Table 6 lists the detailed group breakdowns by ISD.



Table 5. GSRP 2017-18 Child Groups by Eligibility Factors

Group #	N	%	% Eligible										
			Federal Poverty Level (FPL) guidelines	Example income for family of 4	Disability/Delay	Severe/challenging behavior	Home language other than English	Parent/guardian with low educational attainment	Abuse/Neglect	Environmental risk	Homeless	Foster care	IEP
#1	18041	48%	Below 100%	<= \$25,100	10%	1%	11%	19%	1%	56%	3%	1%	6%
#2	8452	22%	151-250%	\$37,651 - \$62,750	12%	4%	8%	12%	8%	44%	0%	0%	5%
#3	7556	20%	101-150%	\$25,101 - \$37,650	11%	4%	10%	16%	8%	51%	1%	0%	5%
#4	2326	6%	Below 100%	<= \$25,100	34%	24%	1%	48%	72%	95%	7%	7%	13%
#5	1713	4%	251% and above	>= \$62,751	26%	5%	4%	7%	12%	46%	0%	0%	13%

Figure 1. GSRP 2017-18 Percent of Children by Eligibility Factors Groups (Total: 38,088)

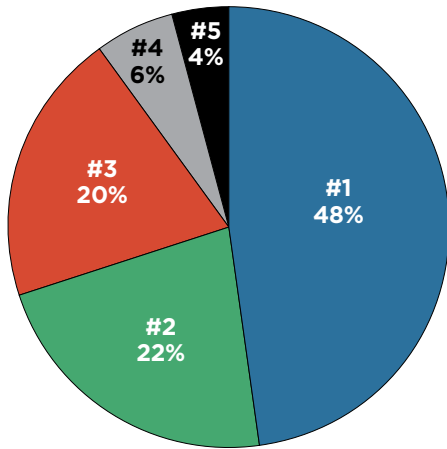


Figure 2. GSRP 2017-18 Eligibility Factor Groups by Federal Poverty Level (Total: 38,088)

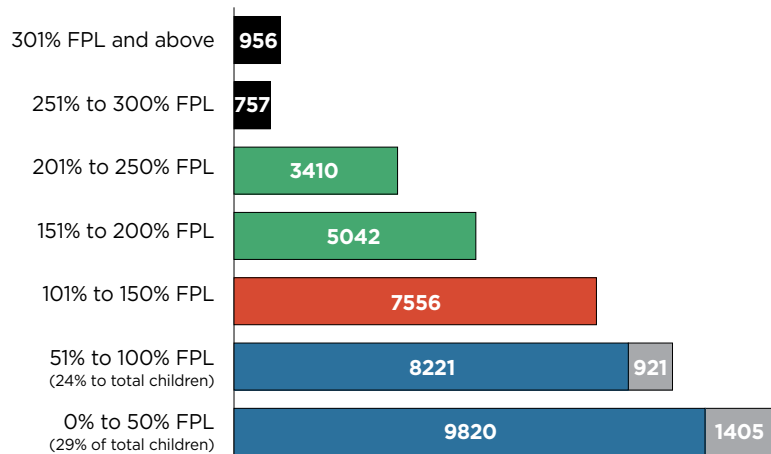


Figure 3. GSRP 2017-18 Child Group by Eligibility Factors

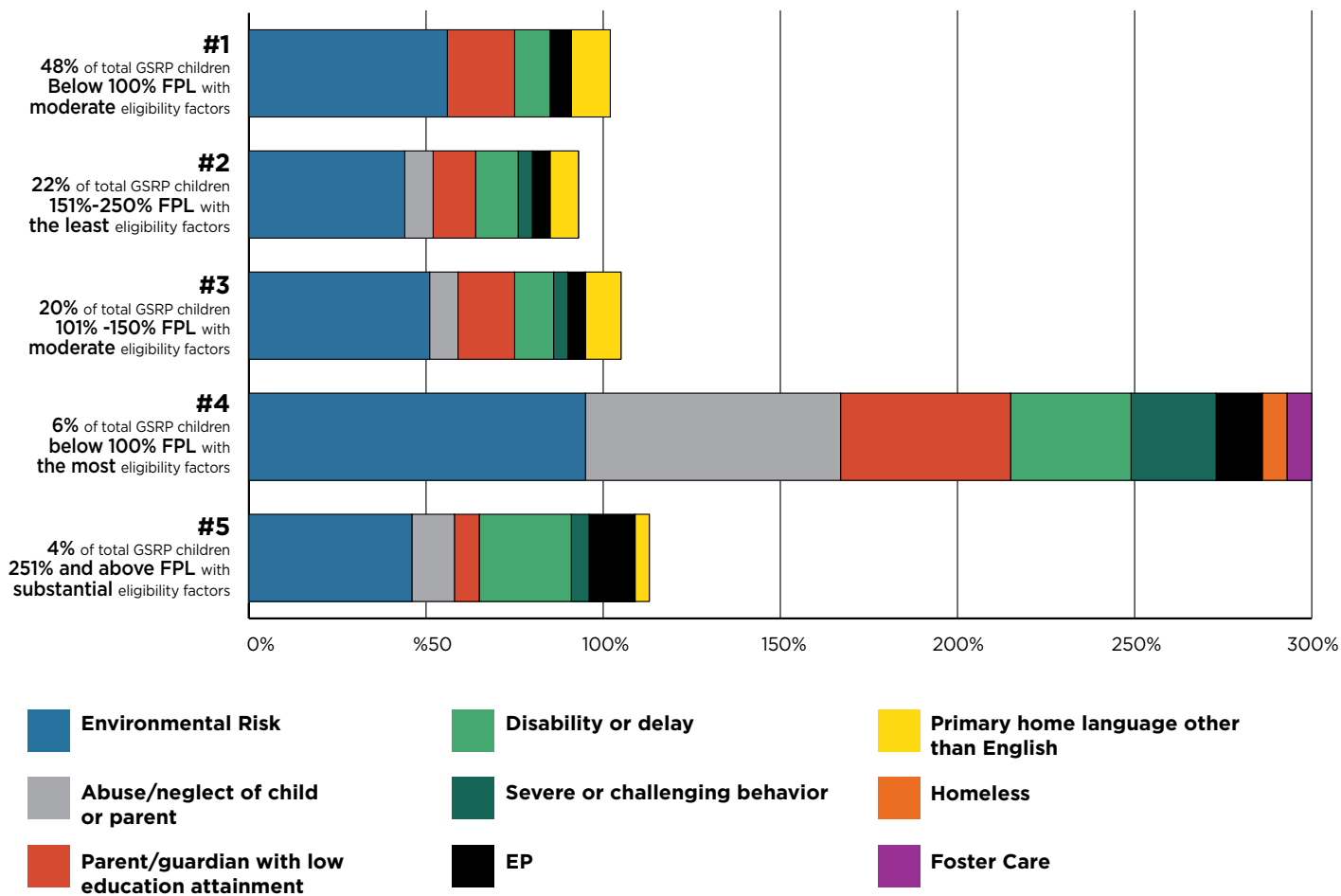


Table 6: GSRP 2017-18 Children Groups by ISD (%)

Federal Poverty Level (FPL)		Below 100%	151%-250%	101%-150%	Below 100%	251% and above
Amount of Eligibility Factors		Moderate	Least	Moderate	Most	Substantial
Agency	Total Children	Group #1	Group #2	Group #3	Group #4	Group #5
Michigan	38,088	48%	22%	20%	6%	4%
Allegan Area ESA	283	24%	39%	25%	6%	5%
AMA ESD	220	17%	24%	15%	18%	26%
Barry ISD	139	36%	32%	21%	6%	5%
Bay-Arenac ISD	530	46%	25%	16%	7%	5%
Berrien RESA	516	29%	28%	38%	4%	1%
Branch ISD	145	50%	17%	24%	9%	0%
Calhoun ISD	849	34%	26%	25%	10%	6%
Charlevoix ISD	270	18%	27%	24%	21%	9%
Clare-Gladwin RESD	313	39%	24%	16%	15%	6%
Clinton County RESA	208	44%	28%	17%	4%	7%
COOR ISD	298	37%	20%	18%	16%	9%
COPESD	193	33%	26%	18%	15%	7%
Copper Country ISD	126	46%	21%	17%	10%	5%
Delta-Schoolcraft ISD	130	32%	13%	22%	16%	17%
Dickinson-Iron ISD	78	22%	23%	47%	0%	8%
Eaton RESA	262	32%	30%	20%	8%	10%
EUP ISD	145	22%	47%	14%	6%	11%
Genesee ISD	2261	54%	21%	17%	5%	3%
Gogebic-Ontonagon ISD	45	20%	38%	20%	0%	22%
Hillsdale ISD	252	42%	27%	15%	7%	8%
Huron ISD	114	30%	32%	18%	7%	13%
Ingham ISD	1238	48%	25%	19%	4%	4%
Ionia County ISD	288	22%	38%	23%	9%	8%
Iosco RESA	129	27%	16%	20%	27%	9%
Jackson County ISD	731	46%	20%	15%	13%	6%
Kalamazoo RESA	1299	46%	24%	20%	3%	6%
Kent ISD	3267	50%	20%	20%	2%	8%
Lapeer County ISD	207	37%	38%	17%	7%	1%
Lenawee ISD	337	34%	30%	21%	14%	1%
Lewis Cass ISD	147	18%	37%	29%	6%	10%
Livingston ESA	343	47%	3%	13%	37%	0%
Macomb ISD	2202	42%	24%	28%	3%	4%
Marquette-Alger RESA	93	25%	44%	18%	6%	6%
Mecosta-Osceola ISD	275	38%	9%	14%	32%	7%
Menominee County ISD	98	17%	31%	17%	17%	17%
Midland County ESA	1645	55%	22%	15%	3%	4%
Monroe County ISD	442	31%	27%	23%	9%	9%
Montcalm Area ISD	388	38%	31%	19%	5%	8%
Muskegon Area ISD	990	39%	26%	20%	8%	7%
Newaygo County RESA	370	36%	19%	16%	14%	14%
Oakland Schools	3087	50%	23%	19%	5%	3%
Ottawa Area ISD	869	23%	46%	25%	2%	4%
Sanilac ISD	220	66%	11%	13%	4%	6%
Shiawassee RESD	403	37%	32%	18%	4%	9%
St. Clair County RESA	510	44%	23%	22%	7%	5%
St. Joseph County ISD	416	46%	28%	20%	1%	5%
Traverse Bay Area ISD	626	33%	31%	23%	5%	7%
Tuscola ISD	286	34%	22%	20%	18%	6%
Van Buren ISD	329	22%	36%	34%	5%	3%
Washtenaw ISD	908	58%	22%	18%	1%	1%
Wayne RESA	7908	65%	13%	18%	4%	1%
West Shore ESD	313	31%	22%	31%	7%	9%
Wexford-Missaukee ISD	347	25%	25%	20%	25%	5%