Goal 4: Expand secondary learning opportunities for all students

Michigan State Board of Education Meeting
May 17, 2022

Goals

1. Expand early childhood learning opportunities
2. Improve early literacy achievement
3. Improve the health, safety, and wellness of all learners
4. Expand secondary learning opportunities for all students
5. Increase the percentage of all students who graduate from high school
6. Increase the percentage of adults with a post-secondary credential
7. Increase the numbers of certified teachers in areas of shortage
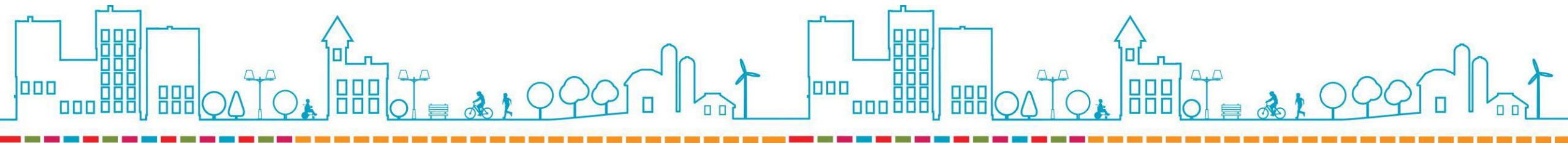8. Provide adequate and equitable school funding

Goals

1. Expand early childhood learning opportunities
2. Improve early literacy achievement
3. Improve the health, safety, and wellness of all learners
4. **Expand secondary learning opportunities for all students**
5. Increase the percentage of all students who graduate from high school
6. Increase the percentage of adults with a post-secondary credential
7. Increase the numbers of certified teachers in areas of shortage
8. Provide adequate and equitable school funding

Career and Technical Education (CTE)

Number and percent of students enrolled in CTE programs based on overall student population

Student Group	15-16	16-17	17-18	18-19	19-20	4-year difference	20-21	1-year difference
Total CTE Students	107,930	109,005	110,316	110,710	111,073	3,143	102,988	-8,085
Percent of all students	22%	23%	23%	23%	24%	N/A	22%	N/A

Data Source: Career and Technical Education Data System: https://www.cteis.com

Number of students enrolled in CTE programs based on overall student population

Student Group	15-16	16-17	17-18	18-19	19-20	4-Year difference	20-21	1-year difference
Asian	2,795	3,096	3,166	3,436	3,383	588	3,343	-40
Black or African American	13,215	13,132	13,519	13,020	12,844	-371	11,707	-1,137
Hispanic or Latino	5,430	5,964	6,334	6,737	7,136	1,706	6,902	-234
Native American or Alaska Native	789	790	721	752	868	79	735	-133
Native Hawaiian or Other Pacific Islander	82	115	98	100	104	22	88	-16
Two or More Races	2,544	2,691	2,935	3,157	3,281	737	3,278	-3
White	83,075	83,217	83,543	83,508	83,457	382	76,935	-6,522

Number of students enrolled in CTE programs based on overall student population

Student Group	15-16	16-17	17-18	18-19	19-20	4-year difference	20-21	1-year Difference
Students with Disabilities	11,930	11,959	12,301	12,294	12,118	188	11,157	-961
Economically Disadvantaged	39,570	40,031	45,745	45,438	47,057	7,487	41,217	-5,840
English Learners	2,908	3,375	3,786	4,454	4,670	1,762	4,323	-347

Data Source: Career and Technical Education Data System:
https://www.cteis.com

Number of CTE completers based on students enrolled in CTE programs

Student Group	15-16	16-17	17-18	18-19	19-20	4-year difference	20-21	1-year difference
CTE Completers	35,557	42,604	45,504	47,314	50,416	14,859	44,226	-6,190
Total CTE Students	107,930	109,005	110,316	110,710	111,073	3,143	102,988	-8,085

Data Source: Career and Technical Education Data System:
https://www.cteis.com

Number of CTE completers based on students enrolled in CTE programs

Student Group	15-16	16-17	17-18	18-19	19-20	4-year difference	20-21	1-year difference
Asian	959	1,147	1,227	1,460	1,507	548	1,448	-59
Black or African American	3,653	4,090	4,780	4,774	4,674	1,021	4,008	-666
Hispanic or Latino	1,730	2,221	2,512	2,749	3,075	1,345	2,742	-333
Native American or Alaska Native	279	331	296	295	355	76	302	-53
Native Hawaiian or Other Pacific Islander	26	48	44	41	61	35	40	-21
Two or More Races	810	985	1,123	1,221	1,371	561	1,272	-99
White	28,100	33,782	35,522	36,775	39,373	11,363	34,414	-4,959

Data Source: Career and Technical Education Data System: https://www.cteis.com

Number of CTE completers based on students enrolled in CTE programs

Student Group	15-16	16-17	17-18	18-19	19-20	4-year difference	20-21	1-year Difference
Students with Disabilities	3,207	3,625	4,086	4,151	4,351	1,144	3,591	-760
Economically Disadvantaged	11,687	13,513	16,882	17,409	19,185	7,498	15,156	-4,029
English Learners	760	1,001	1,176	1,638	1,815	1,055	1,501	-314

Number of CTE students who received a high school diploma

Student Group	15-16	16-17	17-18	18-19	19-20	4-year difference	20-21*	1-year difference
CTE Students	25,307	28,496	30,456	31,211	38,645	13,338	38,429	-216

Data Source: MI School Data

*New Data Included

Number of CTE students who received a high school diploma

Student Group	15-16	16-17	17-18	18-19	19-20	4-year difference	20-21*	1-year difference
Asian	596	757	879	908	1,268	672	1,239	-29
Black or African American	2,741	3,159	3,387	3,608	4,459	1,718	4,234	-225
Hispanic or Latino	1,111	1,400	1,568	1,777	2,282	1,171	2,342	60
Native American or Alaska Native	219	216	249	205	231	12	244	13
Native Hawaiian or Other Pacific Islander	20	20	34	37	27	7	39	12
Two or More Races	499	615	682	732	1,003	504	1,001	-2
White	20,121	22,329	23,657	23,944	29,375	9,254	29,330	-45

Data Source: MI School Data

*New Data Included

Number of CTE students who received a high school diploma

Student Group	15-16	16-17	17-18	18-19	19-20	4-year difference	20-21*	1-year difference
Students with Disabilities	2,419	2,666	2,915	3,070	3,253	834	3,194	-59
Economically Disadvantaged	8,556	9,399	9,898	11,972	13,847	5,291	13,974	127
English Learners	507	620	692	806	1,206	699	1,245	39

Data Source: MI School Data

*New Data Included

Goal 4: CTE Efforts

Career Pathway Grants to Identify Perkins V Credentials

- Implemented new recognized postsecondary credentials for the following CTE programs for 2021-2022:
  - Automobile Technician
  - Aeronautics/Aviation/Aerospace Science and Technology
  - Airline/Commercial/Professional Pilot and Flight Crew
  - Business Administration, Management & Operations
  - Construction Trades
  - Cosmetology
  - Electrical & Power Transmission
  - Education General
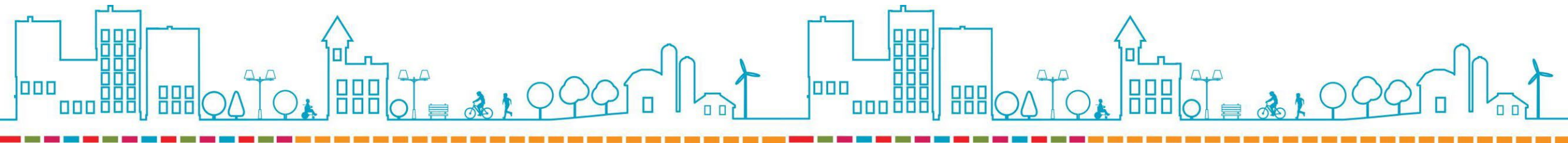 - Health Sciences
  - Hospitality & Tourism

Goal 4: CTE Efforts

Career Pathway Grants to Identify Perkins V Credentials

- Current grants to identify recognized postsecondary credentials for the following CTE programs:
    - Computer Programming/Programmer
    - Computer and Information Systems Security/Information Assurance
    - Finance and Financial Management Services
    - Marketing Sales and Services Marketing Entrepreneurship
    - Mechatronics
    - Public Safety/Protective Services
    - Welding, Brazing, Soldering
- Designed work-based learning technical assistance delivery and reporting tools

Early Middle College (EMC)

Number of students enrolled
in an Early Middle College (EMC) program

Student Group	15-16	16-17	17-18	18-19	19-20	20-21	5-year difference
EMC Students	8,312	10,241	12,182	13,065	14,333	15,308	6,996
Female	4,842	5,889	6,965	7,598	8,370	9,031	4,189
Male	3,470	4,352	5,217	5,467	5,963	6,277	2,807

Data Source: EMC Metric Data

Number of students enrolled in an EMC program

Student Group	15-16	16-17	17-18	18-19	19-20	20-21	5-year difference
Asian	173	223	247	256	295	329	156
Black or African American	947	1,061	1,161	1,300	1,358	1,627	680
Hispanic or Latino	338	477	642	790	890	962	624
Native American or Alaska Native	24	37	60	40	37	42	18
Native Hawaiian or Other Pacific Islander	5	5	8	13	14	14	9
Two or More Races	195	285	342	396	471	564	369
White	6,630	8,153	9,722	10,270	11,273	11,770	5,140

Data Source: EMC Metric Data

Number of students enrolled in an EMC program

Student Group	15-16	16-17	17-18	18-19	19-20	20-21	5-year difference
Students with Disabilities	246	297	428	419	395	411	165
Economically Disadvantaged	2,414	2,944	4,277	4,610	5,360	5,646	3,232
English Learners	91	121	184	168	213	275	184

Data Source: EMC Metric Data

Number and percent of students who successfully obtained their high school diploma and earned an EMC outcome

EMC Data	15-16	16-17	17-18	18-19	19-20	20-21*	5-year difference
Count of EMC students who obtained their high school diploma and earned an EMC outcome	1,190	1,483	1,719	2,122	2,527	2,425	1,235
Count of high school graduates enrolled in EMC	1,469	1,868	2,296	2,604	2,972	3,052	1,583
Percent	81%	79%	75%	82%	85%	80%	N/A

*New Data Included

- *60 transferrable credits;*
- *Associate Degree;*
- *Professional Certification;*
- *Michigan Early Middle College Association (MEMCA) Certification; or*
- *Participation in a registered apprenticeship*

Number and percent of students who enrolled, did not complete, and exited to attend college or some other postsecondary education or training

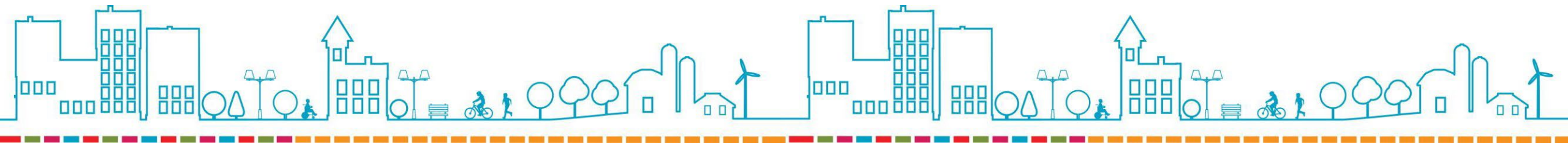| EMC Data	15-16	16-17	17-18	18-19	19-20	20-21*	5-year difference
Count of EMC students who obtained their high school diploma but did not earn an EMC outcome	279	385	577	482	445	607	328
Count of high school graduates enrolled in EMC	1,469	1,868	2,296	2,604	2,972	3,052	1,583
Percent	19%	21%	25%	19%	15%	20%	N/A

Data Source: EMC Metric Data

*New Data Included

EMC outcomes consist of:
- *60 transferrable credits;*
- *Associate Degree;*
- *Professional Certification;*
- *Michigan Early Middle College Association (MEMCA) Certification; or*
- *Participation in a registered apprenticeship*

Goal 4: EMC Efforts

- Developed a Section 61b State School Aid Tool Kit

- MDE presented at the National Middle College Conference on implementing CTE EMC Programs of Study.

- In the fall 2022, MDE will have student outcomes on EMC 2022 graduates
  - Number of students that received:
    - 60 college credits
    - Associate degree
    - A professional certification
    - A Michigan Early Middle College Association certificate
    - Participation in a registered apprenticeship

Advanced Placement (AP)

Number and percent of students enrolled in AP compared to the total population

Student Group	15-16	16-17	17-18	18-19	19-20	4-year difference	20-21*	1-year difference
AP Students	71,625	77,776	80,691	79,546	78,086	6,461	74,699	-3,387
Percent of all students	15%	16%	17%	17%	17%	2%	16%	N/A
Female	40,229	43,581	45,423	45,136	44,507	4,278	42,410	-2,097
Male	31,396	34,195	35,268	34,410	33,579	2,183	32,289	-1,290

Data Source: AP Metric Data

*New Data Included

Number of students enrolled in AP compared to the total population

Student Group	15-16	16-17	17-18	18-19	19-20	4-year difference	20-21*	1-year difference
Asian	5,099	5,638	6,100	6,236	6,451	1,352	6,409	-42
Black or African American	5,982	6,104	6,316	6,403	6,208	226	5,953	-255
Hispanic or Latino	2,912	3,488	4,098	4,298	4,454	1,542	4,499	45
Native American or Alaska Native	301	244	213	272	235	-66	240	5
Native Hawaiian or Other Pacific Islander	76	106	102	81	75	-1	76	1
Two or More Races	1,578	1,910	2,101	2,286	2,440	862	2,459	19
White	55,677	60,286	61,761	59,970	58,223	2,546	55,063	-3,160

Data Source: AP Metric Data

*New Data Included

Number of students enrolled in AP compared to the total population

Student Group	15-16	16-17	17-18	18-19	19-20	4-year difference	20-21*	1-year difference
Economically Disadvantaged	14,314	15,253	18,984	19,280	19,202	4,888	17,848	-1,354
Not Economically Disadvantaged	57,311	62,523	61,707	60,266	58,884	1,573	56,851	-2,033

Data Source: AP Metric Data

*New Data Included

Number of tests taken by students and potential credit from AP tests

Student Group	15-16	16-17	17-18	18-19	19-20	4-year difference	20-21*	1-year difference
AP Tests Taken	103,427	109,164	110,345	110,149	104,404	977	97,610	-6,794
Female	55,536	58,332	59,620	60,290	57,913	2,377	53,221	-4,692
Male	47,891	50,832	50,725	49,859	46,491	-1,400	44,235	-2,256
Potential Credits	66,012	69,828	70,781	70,939	69,738	3,726	58,353	-11,385

Data Source: College Board

*New Data Included

Number of AP tests taken by students for college credits

Student Group	15-16	16-17	17-18	18-19	19-20	4-year difference	20-21*	1-year difference
Asian	11,232	12,138	12,832	13,213	13,497	2,265	9,486	-4,011
Black or African American	4,330	4,900	4,985	4,890	3,979	-351	3,563	-416
Hispanic or Latino	5,387	5,991	6,417	6,863	5,692	305	5,271	-421
Native American or Alaska Native	243	252	224	240	218	-25	410	192
Native Hawaiian or Other Pacific Islander	49	68	45	53	58	9	63	5
Two or More Races	3,998	4,312	4,497	4,535	2,572	-1,426	2,851	279
White	76,831	80,316	79,825	78,957	75,819	-1,012	70,297	-5,522

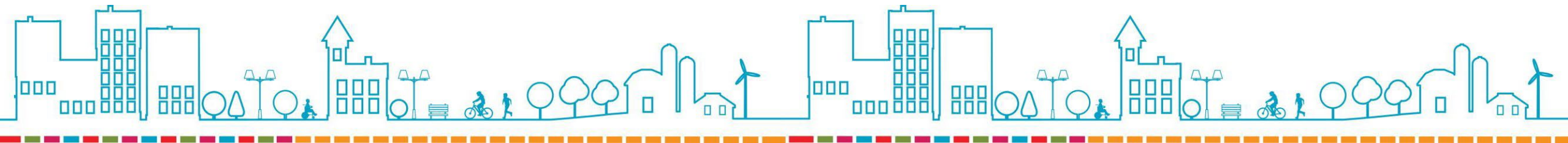**Data Source: College Board**

*New Data Included

Goal 4: AP Efforts

- Free and reduced low-income reimbursement program
  (Advanced Placement -AP and College-Level Examination Program - CLEP)

- College Board Opportunity Scholarships Program

- AP Potential Tool Expansion

International Baccalaureate (IB)

Number of students enrolled in International Baccalaureate (IB)

Student Group	15-16	16-17	17-18	18-19	19-20	20-21*	5-year difference
IB Students	10,011	11,275	13,691	12,822	11,902	11,668	1,657
Female	5,450	6,318	7,565	7,013	6,514	6,491	1,041
Male	4,561	4,957	6,126	5,809	5,388	5,177	616

Data Source: IB Metric Data

*New Data Included

Number of students enrolled in International Baccalaureate (IB)

Student Group	15-16	16-17	17-18	18-19	19-20	20-21*	5-year difference
Asian	1,135	1,333	1,862	1,872	1,807	1,782	647
Black or African American	1,427	1,689	2,071	1,778	1,248	1,309	-118
Hispanic or Latino	537	811	968	900	884	884	347
Native American or Alaska Native	12	26	32	31	27	20	8
Native Hawaiian or Other Pacific Islander	11	17	20	14	18	15	4
Two or More Races	281	337	510	543	501	546	265
White	6,608	7,062	8,228	7,684	7,417	7,112	504

Data Source: IB Metric Data

*New Data Included

Number of students enrolled in International Baccalaureate (IB)

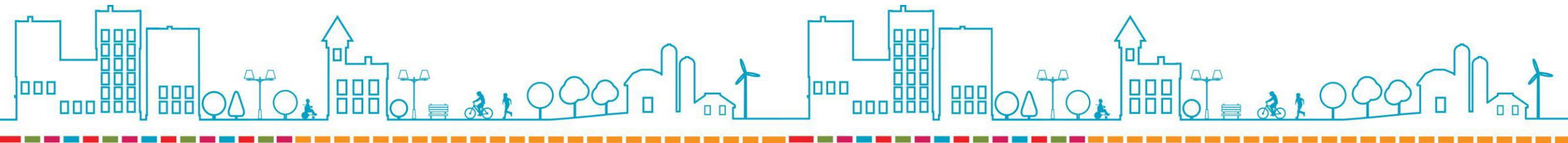| Student Group	15-16	16-17	17-18	18-19	19-20	20-21*	5-year difference
Economically Disadvantaged	2,409	2,990	3,986	3,284	2,850	2,792	383
Not Economically Disadvantaged	7,602	8,285	9,705	9,358	9,052	8,876	1,274

Data Source: IB Metric Data

*New Data Included

Goal 4: IB Efforts

- Free and reduced low-income reimbursement program

- Communication and marketing guidance for LEAs on IB programs

- Prepare legislative reports as required

Dual Enrollment (DE)

Number of students enrolled in Dual Enrollment (DE)

	15-16	16-17	17-18	18-19	19-20	20-21*	5-year difference
DE Students	28,568	27,916	28,711	30,155	31,789	30,134	2,566

Data Source: MI School Data

*New Data Included

Goal 4: DE Efforts

MDE Grant Support

- Direct support to students and families regarding awareness and pursuit

- Provide information and policy guidance for districts and students

- Promote dual enrollment through webinars with college partners, districts and students

- Cross-office collaboration in refining policy and supporting Dual Enrollment (DE) and Early Middle College (EMC) programming

Number and percent of youth ages 16 and above with an Individualized Education Program (IEP) who meet the necessary federal reporting compliance and results requirements

Percent of youth ages 16+ with an IEP meeting compliance requirements

	2015	2016	2017	2018	2019	2020*
Compliance standard	100%	100%	100%	100%	100%	100%
Percentage of students meeting the standard	78.3%	81.2%	81.0%	92.3%	92.9%	90.7%

Data Source: MI School Data

*New Data Included

Percent of youth ages 16+ with an IEP meeting results requirements

The percentage of youth who:

- are no longer in secondary school.
- had IEPs in effect at the time they left school.
- are enrolled in higher education or in some other postsecondary education or training program; or competitively employed or in some other employment within one year of leaving high school.

	2015	2016	2017	2018	2019	2020*
State-determined standard	72.5%	73.0%	73.5%	74.0%	75.3%	75.2%
Percentage of students meeting the standard	76.8%	76.9%	77.4%	75.2%	78.1%	74.8%

Data Source: MI School Data

*New Data Included

Goal 4: Secondary Transition Efforts

Compliance Resources

- MDE provides specific resources designed to address each of the required transition IEP items
- Technical assistance resources are located on the Catamaran website

Student Outcome Resources (SOR)

- SOR are councils and/or teams MDE collaborates with to ensure coordinated transition services across agencies for students who are eligible
- Developmental Disabilities Council
- Michigan Council for Rehabilitation Services
- Statewide Independent Living Council
- Michigan Transition Services Association (MTSA) Board
- Michigan Interagency Transition Team (MITT) Seamless Transition Team
- Customized Employment Stakeholders (Employment First)

Thank You