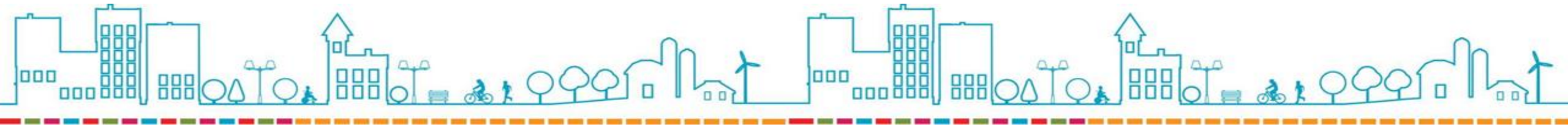




Goal 4: Expand Secondary Learning Opportunities for all Students

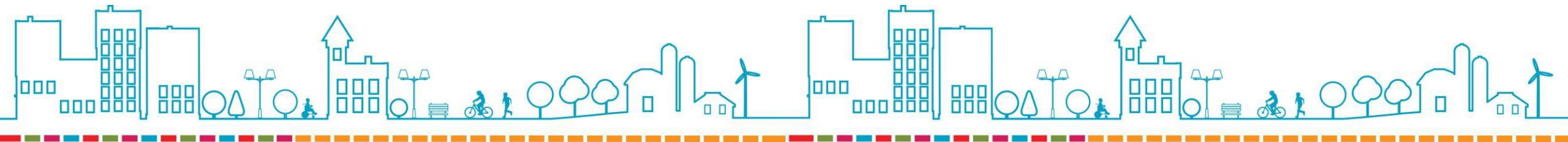
Michigan State Board of Education Meeting

May 9, 2023

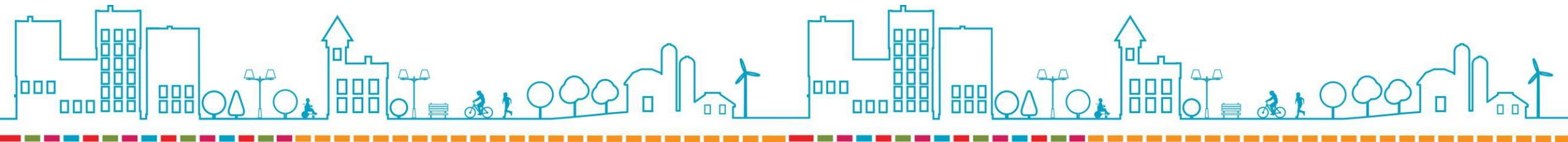


Goals

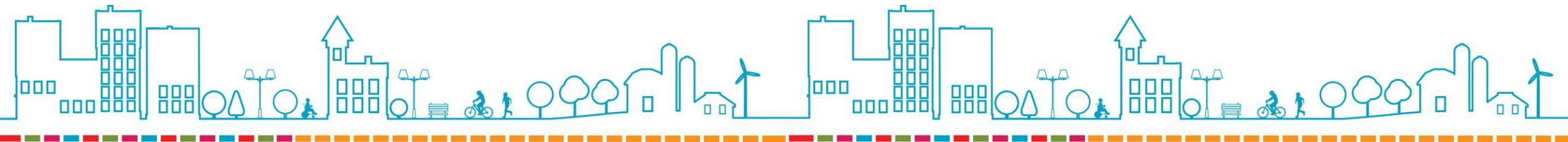
1. Expand early childhood learning opportunities
2. Improve early literacy achievement
3. Improve the health, safety, and wellness of all learners
4. **Expand secondary learning opportunities for all students**
5. Increase the percentage of all students who graduate from high school
6. Increase the percentage 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



Goal	Metrics
<p>Expand secondary learning opportunities for all students</p>	<p>Career and Technical Education (CTE)</p> <ul style="list-style-type: none"> • Number and percent of students enrolled in CTE programs based on overall student population • Number and percent of CTE completers based on students enrolled in CTE programs • Number and percent of CTE students: <ul style="list-style-type: none"> • Who received a high school diploma • Who received a credential



Goal	Metrics
<p>Expand secondary learning opportunities for all students</p>	<p>Early Middle College (EMC)</p> <ul style="list-style-type: none"> • Number and percent of students enrolled in an EMC program • Number and percent of students who successfully obtained their high school diploma and earned at least one of the following EMC outcomes: 60 transferrable college credits, Associate’s degree, professional certification, Michigan Early Middle College Association (MEMCA) certificate, or acceptance into a registered apprenticeship • Number and percent of students who enrolled in an EMC program, did not complete the program, and exited the program to attend college or some other postsecondary education or training



Goal	Metrics
Expand secondary learning opportunities for all students	<p>Advanced Placement (AP)</p> <ul style="list-style-type: none"> • Number and percent of students enrolled compared to the total population • Number and percent: <ul style="list-style-type: none"> • Of tests taken • Of students earning credit from AP tests <p>International Baccalaureate (IB)</p> <ul style="list-style-type: none"> • Number of students enrolled • Number of students earning credit from IB tests <p>Dual Enrollment (DE)</p> <ul style="list-style-type: none"> • Number of students enrolled • Average college credits earned during high school



Metrics

Goal	Metrics
Expand secondary learning opportunities for all students	<p>Number and percent of youth ages 16 and above with an Individualized Education Program (IEP) that meet the necessary federal reporting requirements</p> <p>Collect/report, as available, for all students and all groups of students (gender, race/ethnicity, students with disabilities/students without disabilities, economically disadvantaged/non-economically disadvantaged, English learners/non-English learners)</p>



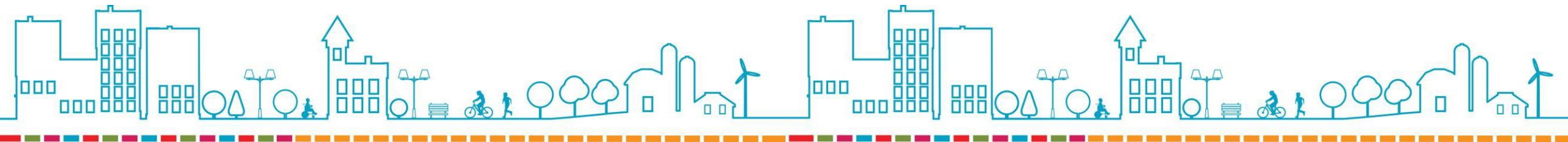
Career and Technical Education (CTE)



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	20-21	21-22	1-year difference	Percent change
Total CTE Students	107,930	109,005	110,316	110,710	110,533	102,988	106,077	3,089	3%
Percent of all students	22%	23%	23%	23%	24%	22%	23%		
Female	45,332	45,330	45,815	46,390	46,469	43,015	44,457	1,442	3%
Male	62,598	63,675	64,501	64,320	64,064	59,973	61,620	1,647	3%

Source: Center for Educational Performance and Information (CEPI): <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	20-21	21-22	1-year difference	Percent change
Asian	2,795	3,096	3,166	3,436	3,383	3,343	3,608	265	8%
Black or African American	13,215	13,132	13,519	13,020	12,844	11,707	11,097	-610	-5%
Hispanic or Latino	5,430	5,964	6,334	6,737	7,136	6,902	7,313	411	6%
Native American or Alaska Native	789	790	721	752	868	735	794	59	8%
Native Hawaiian or Other Pacific Islander	82	115	98	100	104	88	85	-3	-3%
Two or More Races	2,544	2,691	2,935	3,157	3,281	3,278	3,627	349	11%
White	83,075	83,217	83,543	83,508	83,457	76,935	79,553	2,618	3%

Source: Center for Educational Performance and Information (CEPI): <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	20-21	21-22	1-year difference	Percent change
Students with Disabilities	11,930	11,959	12,301	12,294	12,118	11,157	11,308	151	1%
Economically Disadvantaged	39,570	40,031	45,745	45,438	47,057	41,217	41,382	165	0.4%
English Learners	2,908	3,375	3,786	4,454	4,670	4,323	4,514	191	4%

Source: Center for Educational Performance and Information (CEPI): <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	20-21	21-22	6-year difference	Percent change
CTE Completers	35,557	42,604	45,504	47,315	50,416	44,226	44,609	9,052	25%
Total CTE Students	107,930	109,005	110,316	110,710	111,073	102,988	106,077	-1,853	-2%
Female	16,452	19,229	20,664	21,280	22,532	19,965	19,746	3,294	20%
Male	19,105	23,375	24,840	26,035	27,884	24,261	24,863	5,758	30%

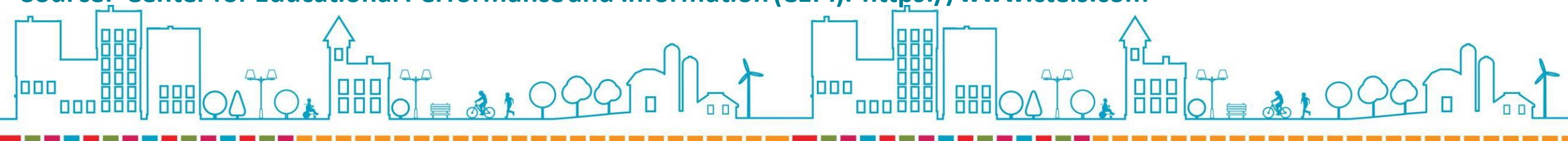
Source: Center for Educational Performance and Information (CEPI): <https://www.cteis.com>



Number of CTE completers based on students enrolled in CTE programs

Student Group	15-16	16-17	17-18	18-19	19-20	20-21	21-22	6-year difference	Percent change
Asian	959	1,147	1,227	1,460	1,507	1,448	1,551	592	62%
Black or African American	3,653	4,090	4,780	4,774	4,674	4,008	3,799	146	4%
Hispanic or Latino	1,730	2,221	2,512	2,749	3,075	2,742	2,780	1,050	61%
Native American or Alaska Native	279	331	296	295	355	302	294	15	5%
Native Hawaiian or Other Pacific Islander	26	48	44	41	61	40	31	5	19%
Two or More Races	810	985	1,123	1,221	1,371	1,272	1,434	624	77%
White	28,100	33,782	35,522	36,775	39,373	34,414	34,720	6,620	24%

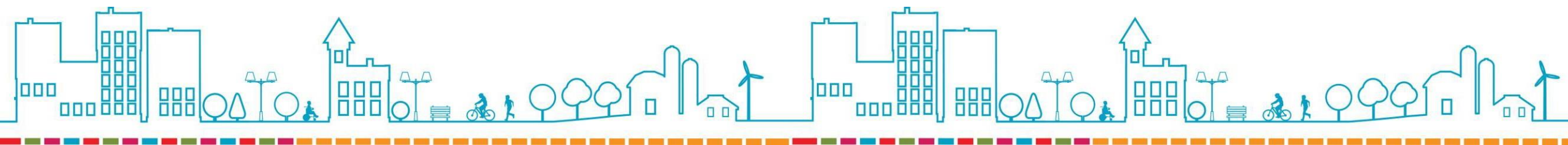
Source: Center for Educational Performance and Information (CEPI): <https://www.cteis.com>



Number of CTE completers based on students enrolled in CTE programs

Student Group	15-16	16-17	17-18	18-19	19-20	20-21	21-22	6-year difference	Percent change
Students with Disabilities	3,207	3,625	4,086	4,151	4,351	3,591	3,644	437	14%
Economically Disadvantaged	11,687	13,513	16,882	17,409	19,185	15,156	14,643	2,956	25%
English Learners	760	1,001	1,176	1,638	1,815	1,501	1,483	723	95%

Source: Center for Educational Performance and Information (CEPI): <https://www.cteis.com>



Number of CTE students who received a high school diploma

Student Group	15-16	16-17	17-18	18-19	19-20	20-21	21-22	6-year difference	Percent change
CTE Students	25,307	28,496	30,456	31,211	38,645	38,429	35,397	10,090	40%
Female	11,990	13,128	13,813	14,136	17,732	17,475	16,294	4,304	36%
Male	13,317	15,368	16,643	17,075	20,913	20,954	19,103	5,786	43%

Source: Center for Educational Performance and Information (CEPI)

New data included

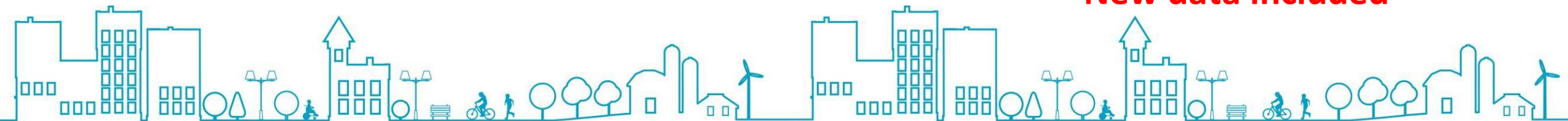


Number of CTE students who received a high school diploma

Student Group	15-16	16-17	17-18	18-19	19-20	20-21	21-22	6-year difference	Percent change
Asian	596	757	879	908	1,268	1,239	1,196	600	101%
Black or African American	2,741	3,159	3,387	3,608	4,459	4,234	3,666	925	34%
Hispanic or Latino	1,111	1,400	1,568	1,777	2,282	2,342	2,246	1,135	102%
Native American or Alaska Native	219	216	249	205	231	244	235	16	7%
Native Hawaiian or Other Pacific Islander	20	20	34	37	27	39	28	8	40%
Two or More Races	499	615	682	732	1,003	1,001	996	497	100%
White	20,121	22,329	23,657	23,944	29,375	29,330	27,030	6,909	34%

Source: Center for Educational Performance and Information (CEPI)

New data included

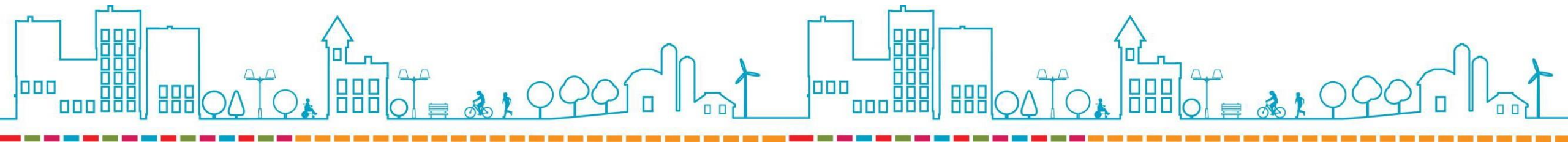


Number of CTE students who received a high school diploma

Student Group	15-16	16-17	17-18	18-19	19-20	20-21	21-22	6-year difference	Percent change
Students with Disabilities	2,419	2,666	2,915	3,070	3,391	3,355	2,990	571	24%
Economically Disadvantaged	8,556	9,399	9,898	11,972	14,627	14,764	12,813	4,257	50%
English Learners	507	620	692	806	1,226	1,297	1,207	700	138%

Source: Center for Educational Performance and Information (CEPI)

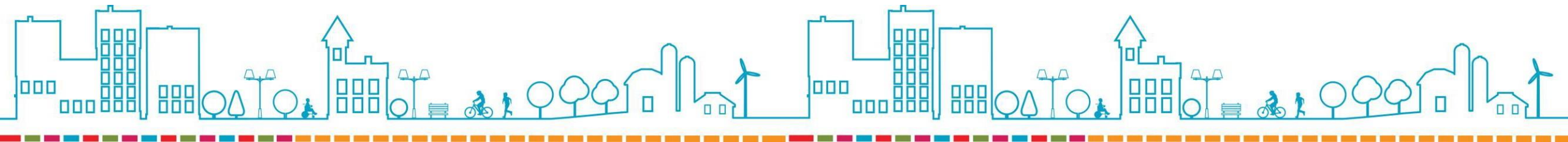
New data included



Efforts to expand secondary learning opportunities for all students

Career and Technical Education

- Continued implementation of the State of Michigan Perkins V State Plan for Career and Technical Education (CTE)
- Continued provision of career pathway grants to identify statewide Perkins V credentials
- Supporting apprenticeship for teacher preparation



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	21-22	6-year difference	Percent change
EMC Students	8,312	10,241	12,182	13,065	14,333	15,308	15,015	6,703	81%
Female	4,842	5,889	6,965	7,598	8,370	9,031	8,958	4,116	85%
Male	3,470	4,352	5,217	5,467	5,963	6,277	6,057	2,587	75%

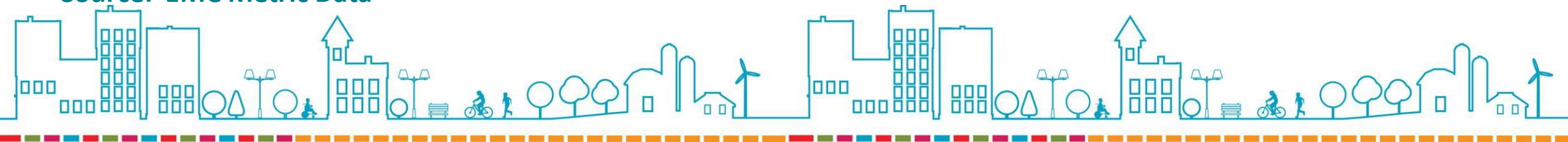
Data Source: EMC Metric Data

New data included

Number of students enrolled in an EMC program

Student Group	15-16	16-17	17-18	18-19	19-20	20-21	21-22	6-year difference	Percent change
Asian	173	223	247	257	295	329	355	182	105%
Black or African American	947	1,061	1,161	1,300	1,358	1,627	1,698	751	79%
Hispanic or Latino	338	479	642	794	890	962	951	613	181%
Native American or Alaska Native	24	37	60	40	37	42	33	9	38%
Native Hawaiian or Other Pacific Islander	5	5	8	13	14	14	11	6	120%
Two or More Races	195	285	342	398	471	564	597	402	206%
White	6,630	8,153	9,722	10,270	11,273	11,770	11,372	4,742	72%

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	21-22	6-year difference	Percent change
Students with Disabilities	246	297	428	419	395	411	458	212	86%
Economically Disadvantaged	2,414	2,944	4,277	4,610	5,360	5,646	5,658	3,244	134%
English Learners	91	121	184	168	214	275	286	195	214%

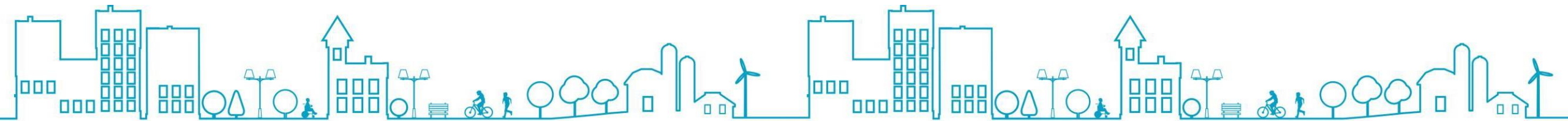
Source: EMC Metric Data

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

	15-16	16-17	17-18	18-19	19-20	20-21	21-22	6-year difference	Percent change
Count of EMC students who obtained their high school diploma and earned an EMC outcome -exit code 40	1,190	1,483	1,719	2,122	2,527	2,445	2,956	1,766	148%
Count of EMC graduates	1,469	1,868	2,296	2,604	2,972	3,052	3,457	1,988	135%
Percent	81%	79%	75%	81%	85%	80%	86%		

Source: Center for Educational Performance and Information (CEPI)

New data included



Number and percent of students who enrolled, did not complete, and exited

to attend college or some other postsecondary education or training

	15-16	16-17	17-18	18-19	19-20	20-21	21-22	6-year difference	Percent Change
Count of EMC students who obtained their high school diploma but did not earn an EMC outcome-exit code 41	279	385	577	482	445	607	501	222	80%
Count of EMC graduates	1469	1868	2296	2604	2972	3,052	3,457	1,988	135%
Percent	19%	21%	25%	19%	15%	20%	14%		

Source: Center for Educational Performance and Information (CEPI)

New data included



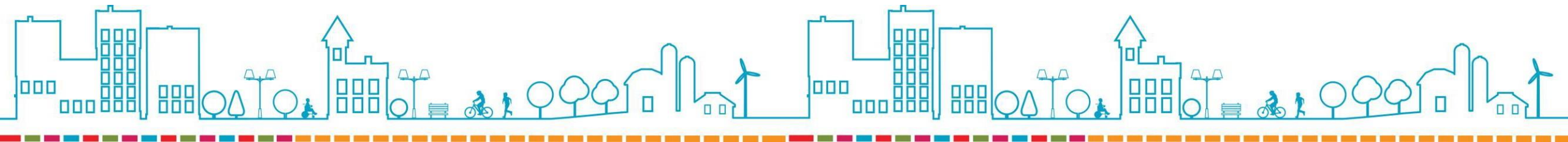
Efforts to expand secondary learning opportunities for all students

Early Middle College

- ▬ Section 61b State School Aid Act to provide additional funding for:
 - ▬ Expansion of EMC Career and Technical Education (CTE) and dual enrollment opportunities
 - ▬ EMC expansion grants

- ▬ Shared Michigan's EMC model at the Middle College National Consortium Conferences.

- ▬ Developed an electronic EMC administration guide to support school districts.

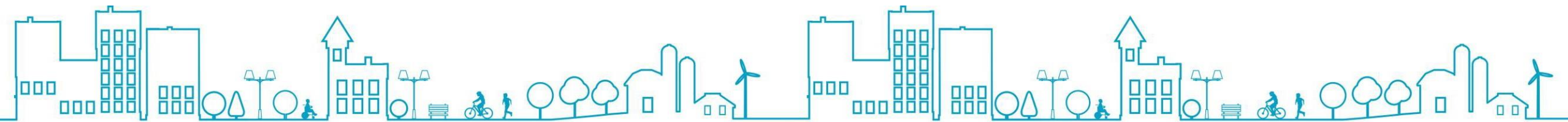


Advanced Placement (AP)



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

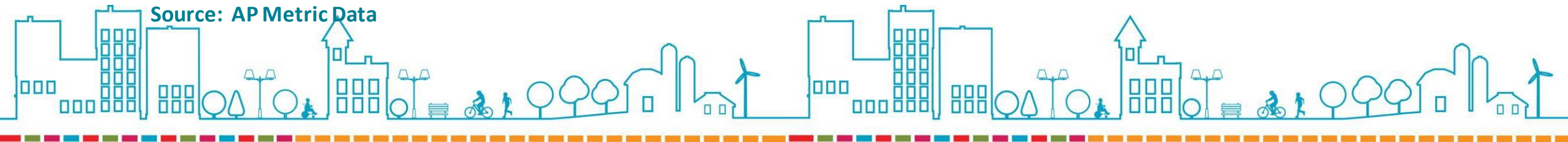
Student Group	15-16	16-17	17-18	18-19	19-20	20-21	21-22	1-year difference	Percent change
AP Students	71,625	77,776	80,691	79,546	78,086	74,699	69,731	-4,968	-7%
Percent of eligible students	15%	16%	16%	16%	16%	16%	16%		
Female	40,229	43,581	45,423	45,136	44,507	42,410	39,640	-2,770	-7%
Male	31,396	34,195	35,268	34,410	33,579	32,289	30,091	-2,198	-7%



Number of students enrolled in AP compared to the total population

Student Group	15-16	16-17	17-18	18-19	19-20	20-21	21-22	1-year difference	Percent change
Asian	5,099	5,638	6,100	6,236	6,451	6,409	6,139	-270	-4%
Black or African American	5,982	6,104	6,316	6,403	6,208	5,953	5,496	-457	-8%
Hispanic or Latino	2,912	3,488	4,098	4,298	4,454	4,499	4,396	-103	-2%
Native American or Alaska Native	301	244	213	272	235	240	216	-24	-10%
Native Hawaiian or Other Pacific Islander	76	106	102	81	75	76	67	-9	-12%
Two or More Races	1,578	1,910	2,101	2,286	2,440	2,459	2,494	35	1%
White	55,677	60,286	61,761	59,970	58,223	55,063	50,923	-4,140	-7%

Source: AP Metric Data



Number of students enrolled in AP compared to the total population

Student Group	15-16	16-17	17-18	18-19	19-20	20-21	21-22	1-year difference	Percent change
Economically Disadvantaged	14,314	15,253	18,984	19,280	19,202	17,848	16,045	-1,803	-10%
Not Economically Disadvantaged	57,311	62,523	61,707	60,266	58,884	56,851	53,689	-3,162	-6%

Source: AP Metric Data



Number of tests taken and students earning credit from AP tests compared by Gender

Student Group	15-16	16-17	17-18	18-19	19-20	20-21	21-22	1-year difference	Percent change
AP Tests Taken	103,427	109,164	110,345	110,149	104,404	97,610	100,143	2,533	3%
Female	55,536	58,332	59,620	60,290	57,913	53,221	54,044	823	2%
Male	47,891	50,832	50,725	49,859	46,491	44,235	45,715	1,480	3%
Potential Credits	66,012	69,828	70,781	70,939	69,738	58,353	50,291	-8,062	-14%

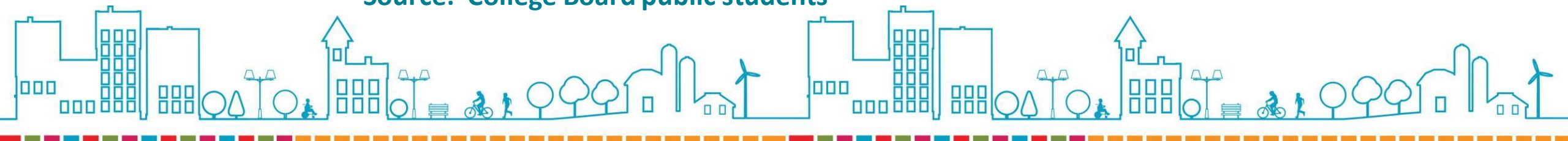
Source: College Board (public and non-public students)



Number of AP tests taken by students for potential college credits

Student Group	15-16	16-17	17-18	18-19	19-20	20-21	21-22	6-year difference	Percent change
Asian	11,232	12,138	10,051	11,065	11,556	11,889	11,739	507	5%
Black or African American	4,330	4,900	4,300	4,319	4,214	3,572	3,861	-469	-11%
Hispanic or Latino	5,387	5,991	5,283	5,609	5,936	4,799	5,094	-293	-5%
Native American or Alaska Native	243	252	233	210	220	169	416	173	71%
Native Hawaiian or Other Pacific Islander	49	68	60	39	42	46	50	1	2%
Two or More Races	3,998	4,312	3,855	3,997	3,988	2,156	2,498	-1,500	-38%
White	76,831	80,316	70,782	70,386	69,450	66,617	61,019	-15,812	-21%

Source: College Board public students



Number of AP tests taken by students that can qualify for college credit

Student Group	15-16	16-17	17-18	18-19	19-20	20-21	21-22	6-year difference	Percent change
Asian	5,099	5,638	7,976	8,347	8,823	9,364	8,907	3,808	75%
Black or African American	5,982	6,104	1,192	1,254	1,283	1,394	1,123	-4,859	-81%
Hispanic or Latino	2,912	3,488	2,660	2,924	3,089	2,713	2,659	-253	-9%
Native American or Alaska Native	301	118	107	88	105	94	240	-61	-20%
Native Hawaiian or Other Pacific Islander	76	106	36	25	24	27	25	-51	-67%
Two or More Races	1,578	1,910	2,356	2,491	2,609	1,449	1,639	61	4%
White	55,677	60,286	45,797	45,824	45,387	44,009	39,856	-15,821	-28%

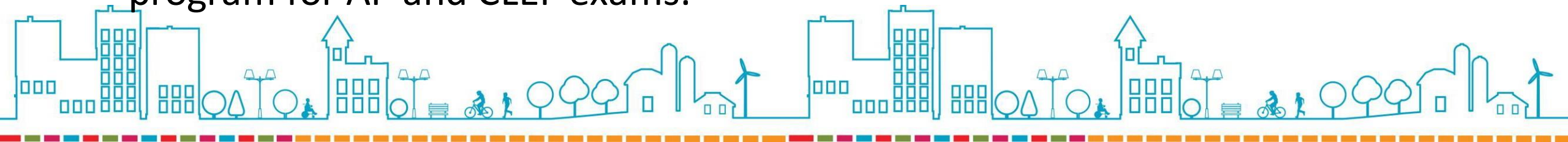
Source: College Board public students



Efforts to expand secondary learning opportunities for all students

Advanced Placement

- As part of the College Board AP Potential effort, our state superintendent sent letters last fall to the parents of nearly 42,000 Michigan students who demonstrated on their PSATs substantial ability to succeed in advanced course work to encourage parents and students to consider AP courses and other courses of substantial rigor in CTE, early middle college, dual enrollment, and International Baccalaureate.
- \$674,160 was expended in the free and reduced low-income reimbursement program for AP and CLEP exams.



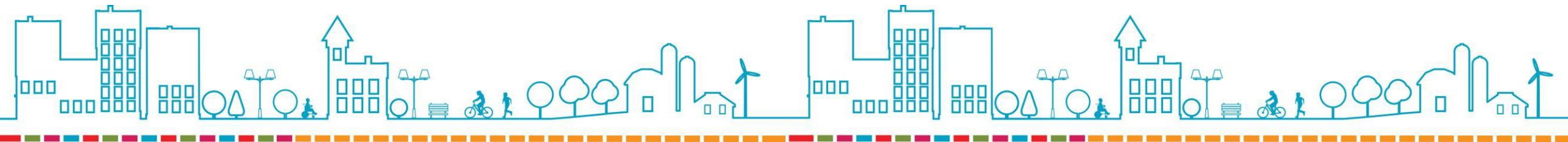
International Baccalaureate (IB)



Number of students enrolled in IB

Student Group	15-16	16-17	17-18	18-19	19-20	20-21	21-22	1-year difference	Percent change
IB Students	10,011	11,275	13,691	12,822	11,902	11,668	11,474	-194	-2%
Female	5,450	6,318	7,565	7,013	6,514	6,491	6,382	-109	-2%
Male	4,561	4,957	6,126	5,809	5,388	5,177	5,092	-85	-2%

Source: IB Metric Data



Number of students enrolled in IB

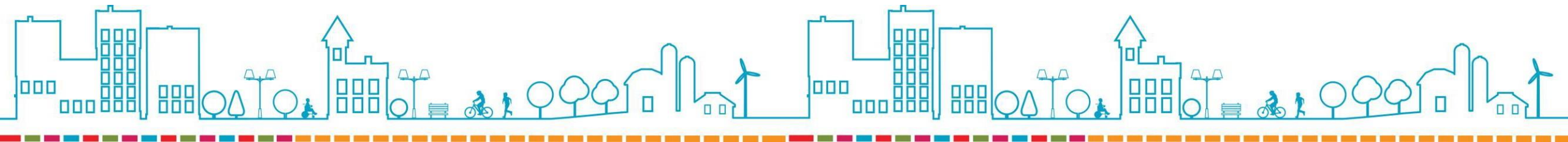
Student Group	15-16	16-17	17-18	18-19	19-20	20-21	21-22	1-year difference	Percent change
Asian	1,135	1,333	1,862	1,872	1,807	1,782	1,689	-93	-5%
Black or African American	1,427	1,689	2,071	1,778	1,248	1,309	1,497	188	14%
Hispanic or Latino	537	811	968	900	884	884	971	87	10%
Native American or Alaska Native	12	26	32	31	27	20	25	5	25%
Native Hawaiian or Other Pacific Islander	11	17	20	14	18	15	9	-6	-40%
Two or More Races	281	337	510	543	501	546	598	52	10%
White	6,608	7,062	8,228	7,684	7,417	7,112	6,685	-427	-6%

Source: IB Metric Data

Number of students enrolled in IB

Student Group	15-16	16-17	17-18	18-19	19-20	20-21	21-22	1-year difference	Percent change
Economically Disadvantaged	2,409	2,990	3,986	3,284	2,850	2,792	2,880	88	3%
Not Economically Disadvantaged	7,602	8,285	9,705	9,358	9,052	8,876	8,594	-282	-3%

Source: IB Metric Data



Efforts to expand secondary learning opportunities for all students

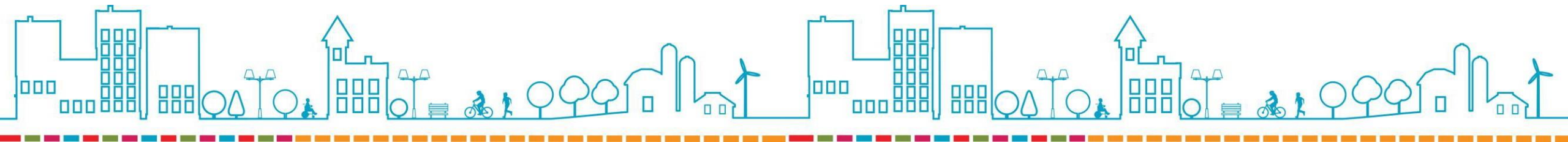
International Baccalaureate

Free and reduced low-income reimbursement program

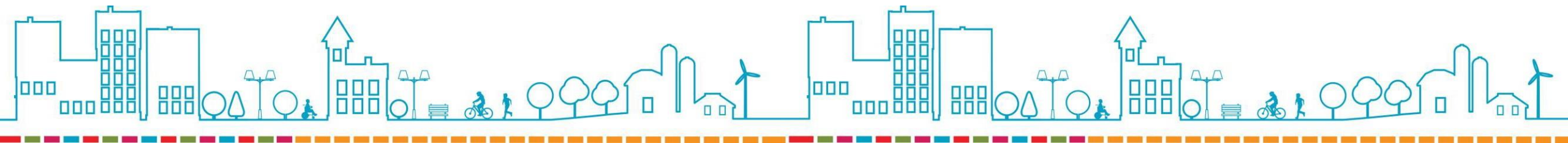
▬ \$114,103 was spent reimbursing low-income students for 910 (2021-22) compared to 430 (2020-21) exams the previous year.

MDE Grant Program Support

▬ Provided information on IB programs and grant reimbursement policy for districts and students. Annually prepare legislative reports as required.



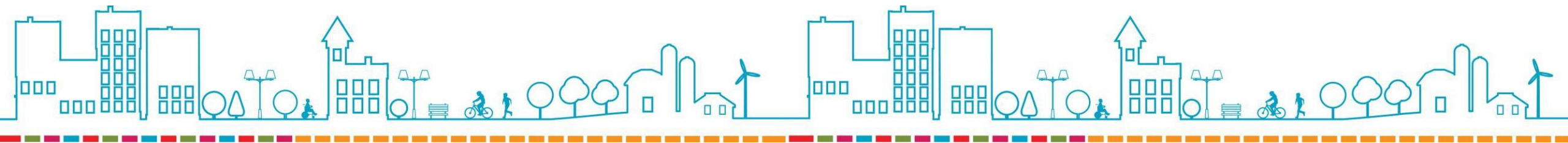
Dual Enrollment (DE)



Number of students enrolled in Dual Enrollment

	15-16	16-17	17-18	18-19	19-20	20-21	21-22	6-year difference	Percent change
DE Students	28,568	27,916	28,711	30,155	31,789	30,134	29,528	960	3%

Source: MI School Data

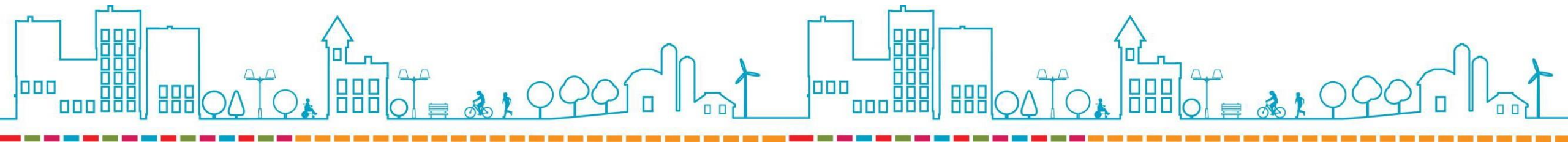


Efforts to expand secondary learning opportunities for all students

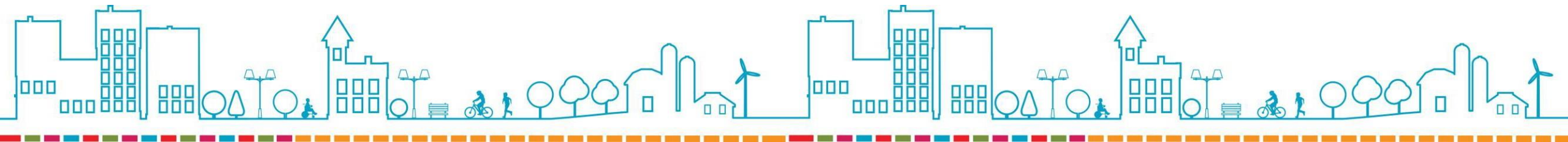
Dual Enrollment

MDE Grant Support

- ▬ Provides information and policy guidance for districts and students.
- ▬ Supports flexibility and inclusion of postsecondary enrollment with other departments
- ▬ Promotes dual enrollment through webinars with college partners, districts and students.



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

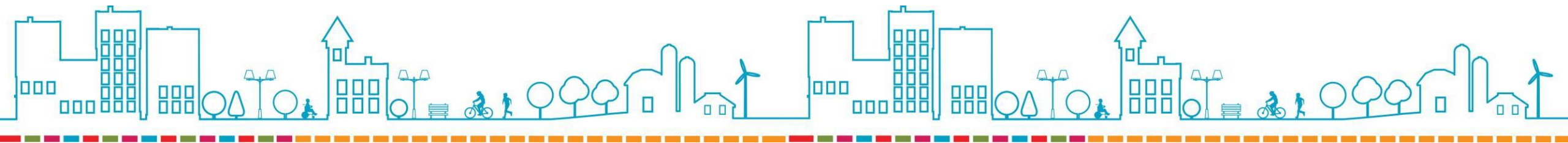


Percent of youth ages 16+ with an IEP meeting requirements

SPP/APR B-13 (Secondary Transition)

	2015	2016	2017	2018	2019	2020	2021
Compliance standard	100%	100%	100%	100%	100%	100%	100%
Percent students meeting the standard	78.3%	81.2%	81.0%	92.3%	92.9%	90.7%	93.7%

Source: MI School Data and Catamaran



Percent of youth ages 16+ with an IEP meeting requirements



Percent of youth who are no longer in secondary school, had individualized educational programs (IEPs) in effect at the time they left school, and, within one year of leaving high school, were:

- A. Enrolled in higher education, **or**
- B. Competitively employed, **or**
- C. Enrolled in postsecondary education/training program.

	2015	2016	2017	2018	2019	2020	2021
State-determined standard	72.5%	73.0%	73.5%	74.0%	75.3%	75.2%	75.19%
Percentage of students meeting the standard	76.8%	76.9%	77.4%	75.2%	78.1%	74.8%	77.0%

Data Source: MI School Data

New data included



Efforts to expand secondary learning opportunities for all students

Technical Assistance Efforts to Improve Secondary Transition

Compliance Resources

☞ To improve performance on a 10-item checklist, the MDE provides specific resources designed to address each of the 10 items.

☞ Technical Assistance resources are located on the Catamaran website located at: <https://training.catamaran.partners/b-13-secondary-transition/>

Student Outcome Resources (SOR)

☞ SOR are councils and/or teams with which MDE OSE collaborates 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)

☞ Michigan Interagency Transition Team (MITT)

☞ Customized Employment Stakeholders (Employment First)

Thank You!

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