



2021-22 Four-Year High School Graduation Rates in Philadelphia

Many staff in the Office of Evaluation, Research, and Accountability contributed to the information that appears in this brief. Staff in the District Performance Office helped prepare the data files used for analysis, and major writing contributions were made by Hannah Barton and Ebru Erdem, Ph.D.

Introduction

As one of the primary measures of students' college and career readiness, the School District of Philadelphia (SDP) closely monitors graduation rates each year.¹ This brief explores graduation rates across public schools in the city of Philadelphia in 2021-22, comparing trends for District, Alternative, and Charter schools. Graduation rates in 2021-22² are compared to those in past years starting from 2013-14. For students enrolled in District schools, the brief highlights differences in graduation rates by student demographics, school admission type, and participation in different Career and Technical Education (CTE) programs.

Research Questions

The following questions guided our analysis:

1. What were the overall trends in high school graduation rates in 2021-22 for students attending District, Charter, and Alternative schools?

Key Findings

- In 2021-22, the Philadelphia citywide on-time four-year graduation rate was 75.4%, a small increase from the 2020-21 rate of 75%.
- In 2021-22, the graduation rate was 85.5% for Charter schools, 78.5% for District schools, 18% for Alternative schools, and 71.2% for District and Alternative schools combined.
- The on-time graduation rate for District schools decreased by one percentage point from 79.6% in 2020-21 to 78.5% in 2021-22.
- Alternative school graduation rates declined by 4 percentage points from 21.9% in 2020-21 to 18% in 2021-22.
- The graduation rate for English Learners decreased by 5 percentage points from 71.3% in 2020-21 to 66.7% 2021-22.

¹ For more detailed information on SDP business rules on how graduation rates are calculated and which students constitute the first-time ninth-grade cohort, please visit: <https://www.philasd.org/research/2020/05/04/school-district-of-philadelphia-graduation-rates-definitions-and-trends/>

² For an analysis of 2020-21 graduation rates, visit: <https://www.philasd.org/research/2022/05/25/summary-of-2020-21-high-school-graduation-rates-in-philadelphia/>

2. How did graduation rates for students attending District schools in 2021-22 differ by student demographics, and how has this pattern changed since 2013-14?
3. How did graduation rates for students attending District schools in 2021-22 differ by high school admission type and CTE course participation, and how have these patterns changed since 2013-14?

How is the graduation rate calculated?

In this report, “graduation rate” is the percentage of an entering ninth grade class who graduated by the end of the summer after their senior year (that is, in four years). In other words, the graduation rate in any four-year graduation target year is “the number of students who entered ninth grade for the first time four years earlier *and* received a high school diploma within those four years,” divided by “the number of all students who entered ninth grade for the first time four years before this four-year graduation target year.”

In order to be considered **on time** or **on target**, a student must receive a diploma by the end of the summer following their fourth year of high school. A cut-point of *September 30* after the fourth high school year ensures that students in summer programs who complete their graduation requirements are included in the pool of graduates, and it also helps distinguish students continuing their education for a fifth year from students who have dropped out (see Box 1 for a description of all possible graduation outcomes).

Enrollment changes often lead to the addition of incoming students who were not in the original cohort. Any student who enrolls in a District high school after ninth grade is assigned a cohort year with the assumption of regular grade promotion (that is, no repeated grade levels). Enrollment changes also lead to the exclusion of students who leave the District to continue their studies elsewhere (non-drop departures). Students who transfer outside the District, who are in long-term hospitalization, or who are deceased are removed from the cohort, while students who drop out of high schools are retained.

Box 1. Possible Graduation Outcomes

There are four possible outcomes that may be assigned to each student in a ninth-grade cohort at the end of the summer following their fourth year of high school.

Graduate: The student received a diploma by the end of the summer after their fourth year of high school.

Continuing: The student is enrolled in a District school to continue for a fifth year.

Dropout: The student is not enrolled in any school and has discontinued their high school education.

Non-drop departure (transfers): The student has transferred outside the District.

While *graduate*, *continuing*, and *dropout* students are **included** in the student count for each first-time ninth-grade cohort, *non-drop departure* students are **excluded**.

Key Findings

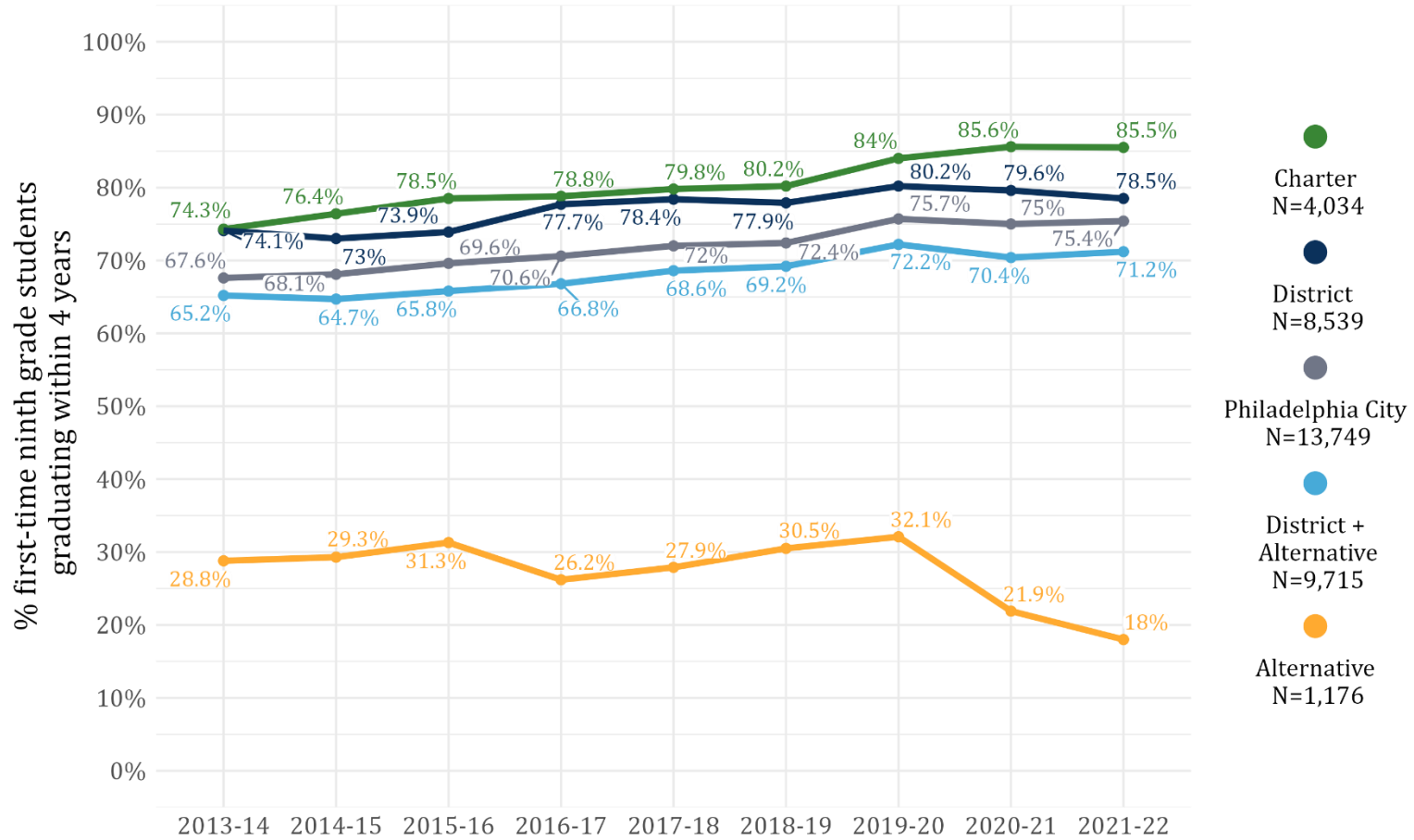
Graduation Rates for the 2021-22 On-Time Graduating Cohort

Of the 13,749 students who were part of the 2018-19 ninth-grade cohort attending District, Charter, and Alternative schools across the city of Philadelphia, 75.4% graduated on time in 2021-22. This rate has remained within 1 percentage point of 75% since 2019-20 (Figure 1).

As in prior years, the on-time graduation rate was highest for students enrolled in Charter schools, at 85.5%, 0.2 percentage points lower than in 2020-21 and 1.4 percentage points higher than in 2019-20. The graduation rate for students in District schools (excluding Alternative schools) decreased by 1.1 percentage point from 2020-21. However, the graduation rate for Alternative³ schools has been declining in recent years, from 32.1% in 2019-20 to 21.9% in 2020-21 to 18% in 2021-22. Although the 2018-19 ninth-grade cohort for Alternative schools had nearly 400 fewer students than the previous cohort, the total number of graduates from this cohort declined by an even greater rate, with just 212 out of the 1,176 Alternative school ninth-grade cohort students graduating on time in 2021-22 (18%).

³ Alternative Education Programs are District-operated or contracted programs that offer alternative ways to earn high school credits toward graduation for students who have exited traditional schools. In this report, students in both contracted and District-operated Alternative schools are considered separately from those enrolled in other District schools. More information about alternative schools is available at: <https://www.philasd.org/opportunitynetwork/>

Figure 1. Overall Four-Year Graduation Rate for Philadelphia City, District, Alternative, and Charter schools in Philadelphia for 2013-2014 to 2021-2022 four-year graduation target years



Source: Qlik Graduation and College Enrollment App; Graduation Rates Details sheet retrieved on January 19th, 2023

Notes: N refers to the total number of all first-time ninth-graders in the 2021-22 on-time graduating cohorts in each category. For example, N=13,749 for Philadelphia City means there were 13,749 students in the 2021-22 on-time graduating cohort in Philadelphia. Cohort sizes change over time for both District and Alternative graduation cohorts, which affects the individual and combined rates. Between 2020-21 and 2021-22, this change in cohort size meant that the District cohort graduation rate declined, and the Alternative cohort graduation rate declined, but the District + Alternative graduation rate increased. See Appendix A.1 for a breakdown of the graduation rates into the numerators (the number of graduates) and denominators (the number of students in each cohort) used to calculate the percentages presented for 2019-20, 2020-21, and 2021-22 in this line graph.

About 43% of the total number of schools in the District, Charter, and Alternative sectors saw an increase in their graduation rate from 2020-21 to 2021-22; this represents 48 of 112 public high schools across Philadelphia (Table 1). Twenty-six out of 54 District high schools and 14 out of 34 Charter schools saw an increase in their graduation rates as well.

Table 1. Total number of schools with graduation rates that increased, decreased, or stayed the same from 2020-21 to 2021-22

	Overall Philadelphia	District + Alternative Schools	District Schools	Alternative Schools	Charter Schools
Number of schools with graduation rates that increased from 2020-21 to 2021-22	48	34	26	8	14
Number of schools with graduation rates that decreased from 2020-21 to 2021-22	56	40	26	14	16
Number of schools with graduation rates that remained the same from 2020-21 to 2021-22	8	4	2	2	4
Total number of schools	112	78	54	24	34

Source: Qlik Graduation and College Enrollment App; Graduation Rate: Map sheet retrieved on January 20th, 2023

Graduation Rates by Student Demographics (District Students)

Graduation rates for students in District⁴ schools were disaggregated by various student demographics to explore outcomes for each student group. As in previous years, there were clear patterns in graduation rates by student demographic factors. This brief analyzes the graduation rates of students based on race/ethnicity, gender, English Learner status, special education status, and economic disadvantage status.

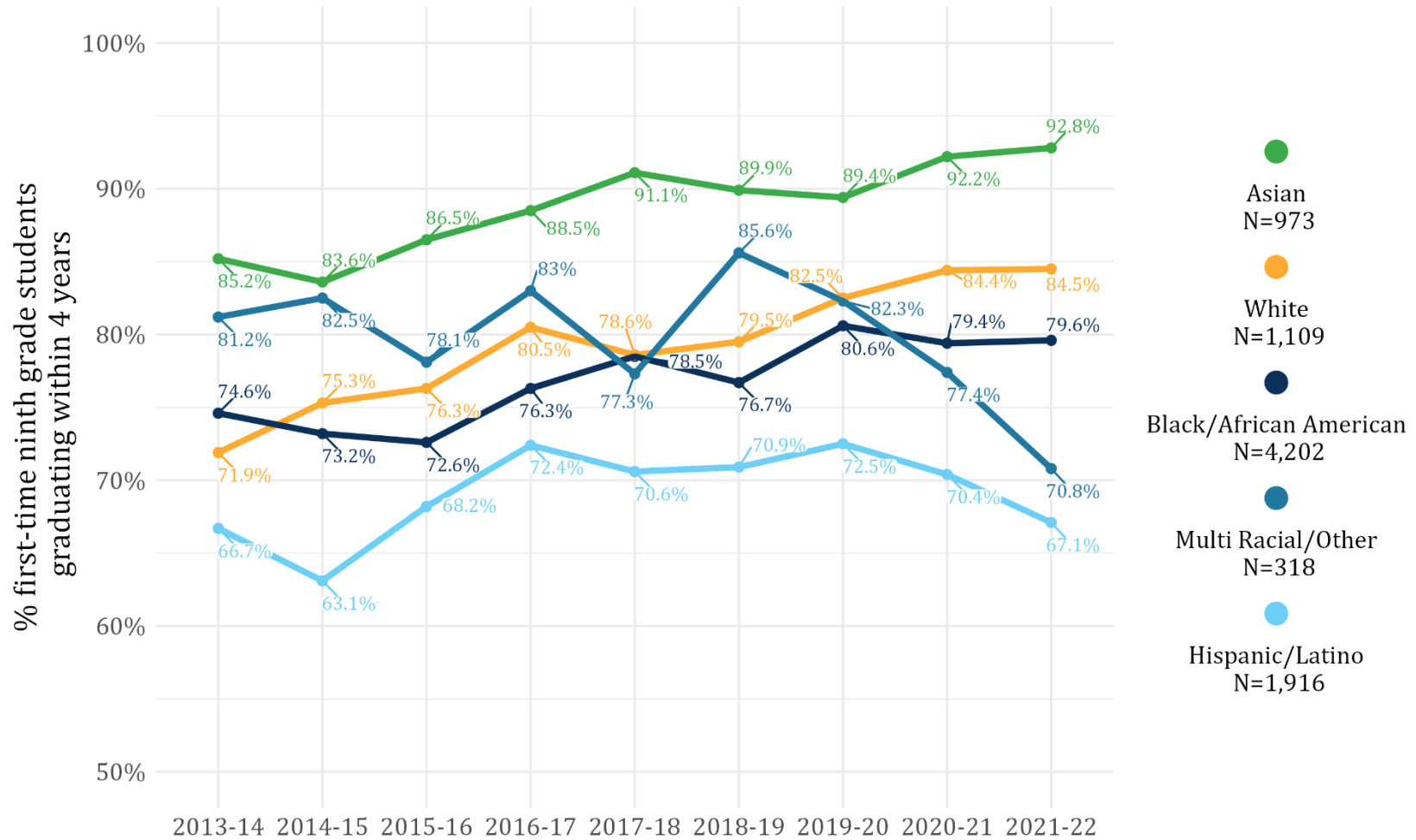
From 2020-21 to 2021-22, graduation rates for Black/African American, White, and Asian students changed by less than a percentage point (Figure 2). Graduation rates for these three racial/ethnic groups have been increasing steadily in the long-term, and have all increased by 5-13 percentage points since 2013-14. Graduation rates for Hispanic/Latino and Multi Racial/Other students decreased from 2020-21 to 2021-22 by 3 and 6 percentage points, respectively.

Graduation rates for Black/African-American and White students have remained within 2-5 percentage points of one another, on average, for the past nine years. Graduation rates for Asian student have remained consistently higher than other racial/ethnic groups since 2013-14, while graduation rates for Hispanic/Latino students have been the lowest.

The graduation rate for students in the Multi Racial/Other race/ethnicity category has fluctuated much more widely, declining by a total of 10 percentage points from 2013-14 to 2021-22 and by 6 percentage points from 2020-21 to 2021-22 alone. This is likely due to the small and fluctuating size of this group.

⁴ Contracted or District-operated Alternative schools were not included in this analysis.

Figure 2. Graduation rates by student race/ethnicity, 2013-14 through 2021-22, for on-time graduating cohorts (District only)

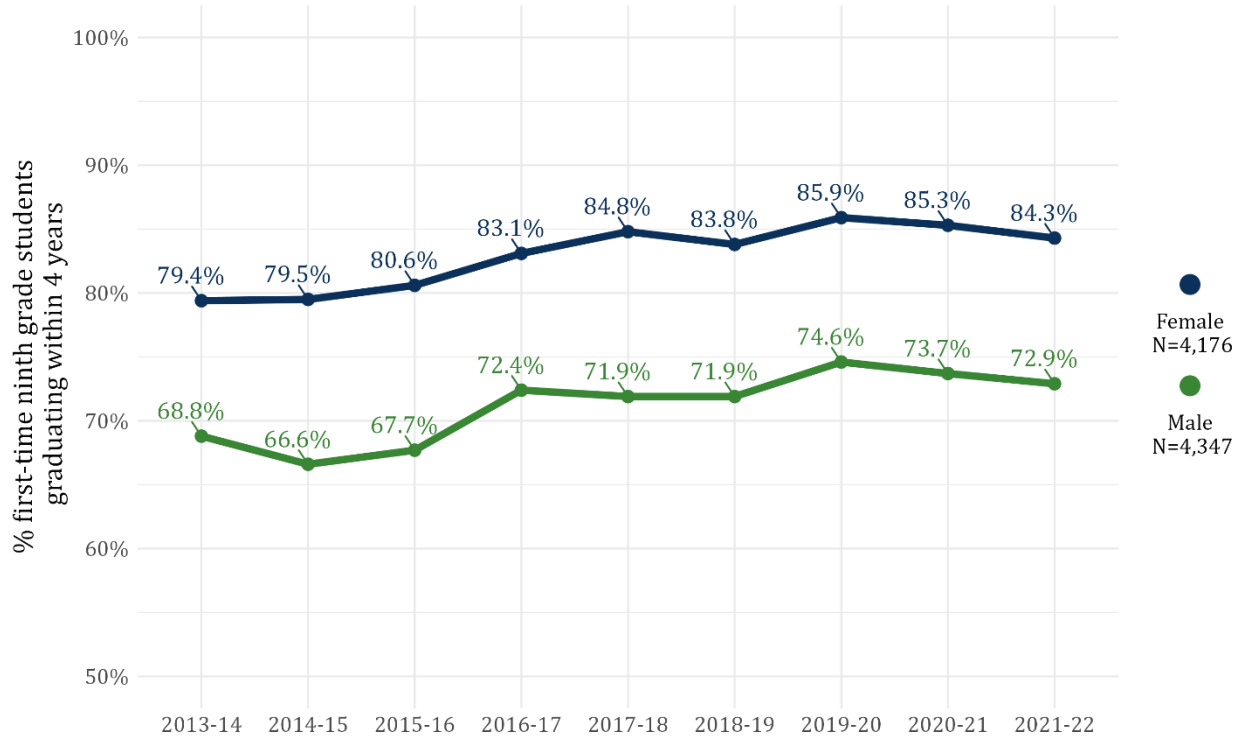


Source: Qlik Graduation and College Enrollment App; Graduation Rates Overview sheet retrieved on January 20, 2023

Note: N refers to the total number of all first-time ninth-graders in the 2021-22 on-time graduating cohorts in each category. American Indian/Alaskan Native and Native Hawaiian/Pacific Islander categories are not included because there were fewer than 20 students in these two categories. See Appendix A.5 for a breakdown of the graduation rates into the numerators (the number of graduates) and denominators (the number of students in each cohort) used to calculate the percentages presented for 2019-20, 2020-21, and 2021-22 in this line graph. Student demographic information presented here only includes students enrolled in the District.

The longstanding gender differentials in graduation rates continued, with 84.3% of female students in the 2021-22 on-time cohort graduating compared to 72.9% of male students (Figure 3). There has been a consistent gap of 11-13 percentage points between female and male students since 2013-14.

Figure 3. Graduation rates by gender, 2013-14 through 2021-22 (District only)

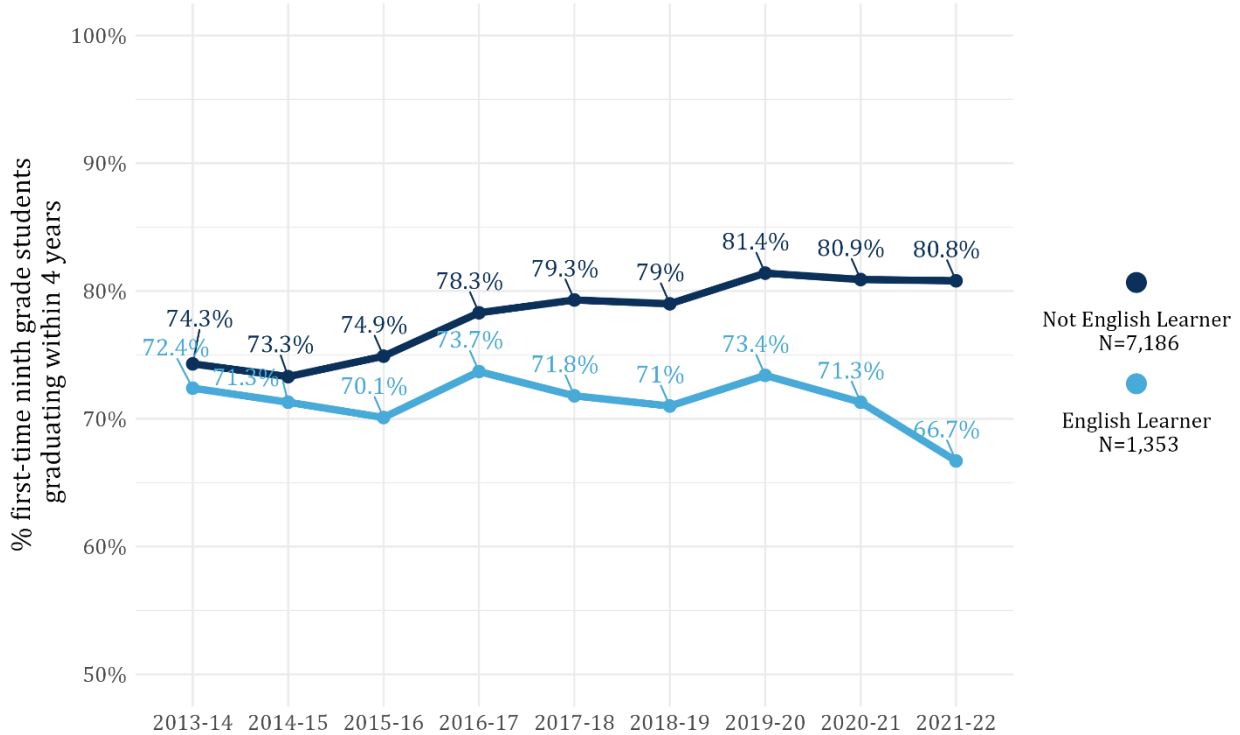


Source: Qlik Graduation and College Enrollment App; Graduation Rates Details sheet retrieved on January 20, 2023

Note: N refers to the total number of all first-time ninth-graders in the 2021-22 on-time graduating cohorts in each category. The Non-Binary category was not included because there were fewer than 20 students in this category. See Appendix A.5 for a breakdown of the graduation rates into the numerators (the number of graduates) and denominators (the number of students in each cohort) used to calculate the percentages presented for 2019-20, 2020-21, and 2021-22 in this line graph. Student demographic information presented here only includes students enrolled in the District.

Although overall graduation rates in the District have increased since 2013-14, English Learner (EL) graduation rates have decreased in the same time period. The percentage of EL students graduating on time decreased from 71.3% in 2021-22 to 66.7% in 2020-21, while graduation rates for non-EL students remained unchanged (Figure 4). Despite the increase in the graduation cohort size of EL students in past few years, the ACCESS⁵ test was canceled in 2020-21 due to the Covid-19 pandemic, which could have had an effect on the classification of ELs in 2021-22.

Figure 4. Graduation rates by English Learner status, 2013-14 through 2021-22 (District only)

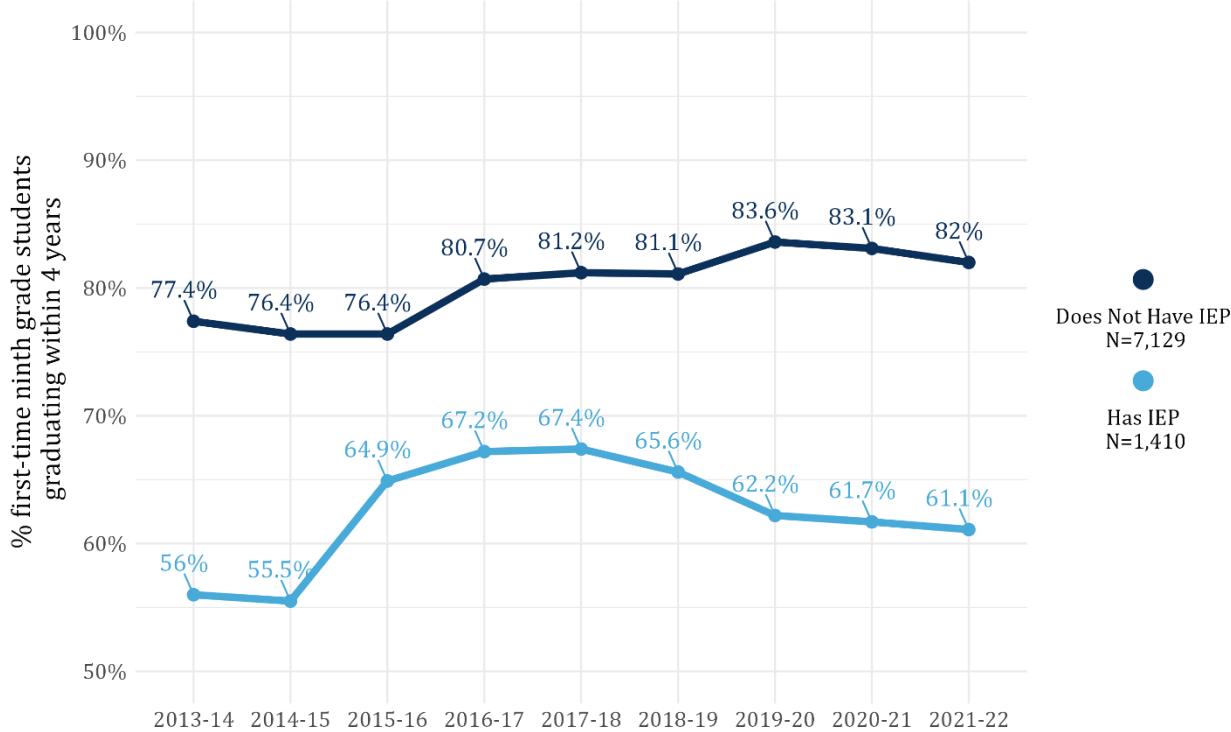


Source: Qlik Graduation and College Enrollment App; Graduation Rates Details sheet, retrieved on January 23, 2023
Note: N refers to the total number of all first-time ninth-graders in the 2021-22 on-time graduating cohorts in each category. See Appendix A.5 for a breakdown of the graduation rates into the numerators (the number of graduates) and denominators (the number of students in each cohort) used to calculate the percentages presented for 2019-20, 2020-21, and 2021-22 in this line graph. Student demographic information presented here only includes students enrolled in the District.

⁵ Assessing Communication and Comprehension in English State to State for English Language Learners (ACCESS for ELLs™) is a standards-based English language proficiency test for students in Grades K-12 designed to measure English language learners’ proficiency in English.

The graduation rate for students with Individualized Education Programs (IEPs)⁶ for special education services decreased 0.6 percentage points, from 61.7% in 2020-21 to 61.1% in 2021-22 (Figure 5). After three years of increases between 2014-15 and 2017-18, the graduation rate for students with IEPs has gradually declined since 2017-18.

Figure 5. Graduation rates by special education indicator, 2013-14 through 2021-22 (District only)

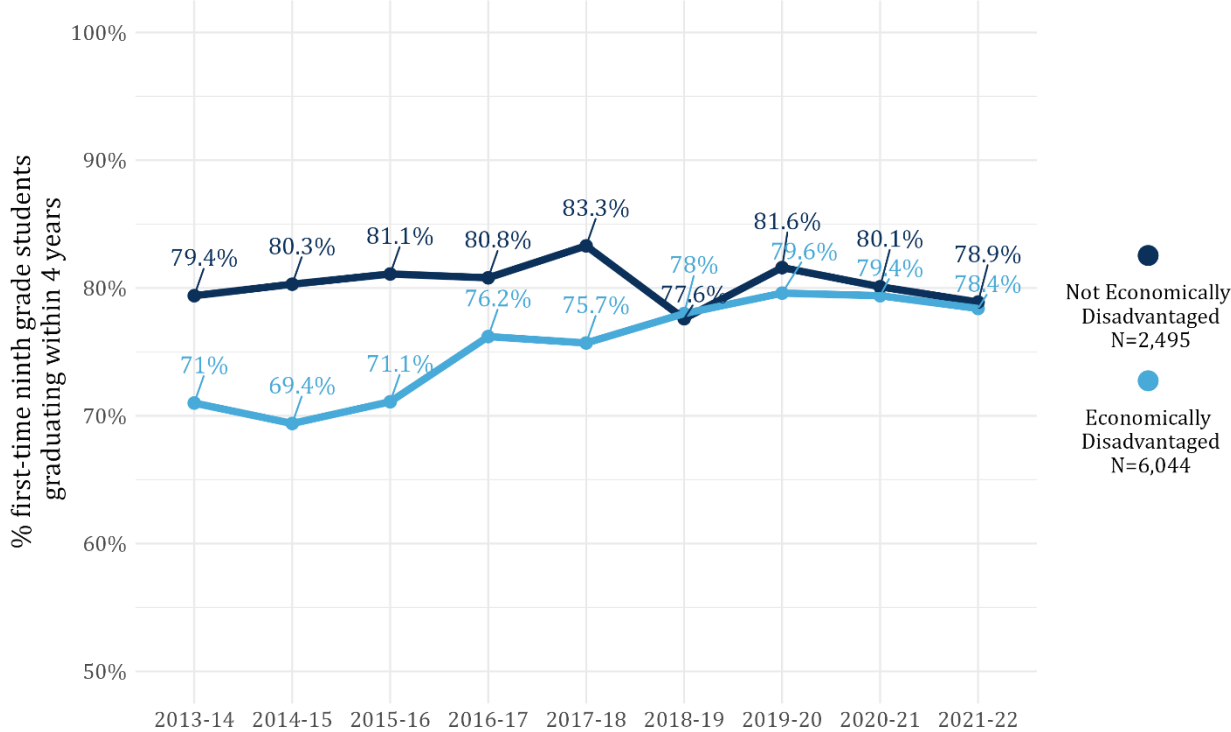


Source: Qlik Graduation and College Enrollment App; Graduation Rates Details sheet, retrieved on January 23, 2023
Note: N refers to the total number of all first-time ninth-graders in the 2021-22 on-time graduating cohorts in each category. See Appendix A.5 for a breakdown of the graduation rates into the numerators (the number of graduates) and denominators (the number of students in each cohort) used to calculate the percentages presented for 2019-20, 2020-21, and 2021-22 in this line graph. Student demographic information presented here only includes students enrolled in the District.

⁶ Gifted students who have IEPs but no learning disabilities were excluded from the “students with IEPs” category.

The graduation rate of economically disadvantaged students decreased 1 percentage point from 2020-21 to 2021-22 (Figure 6). However, the graduation rate of economically disadvantaged students increased from 71% in 2013-14 to 78.4% in 2021-22, and has remained above 78% since 2018-19.

Figure 6. Graduation rates by economic status,* 2013-14 through 2021-22 (District only)

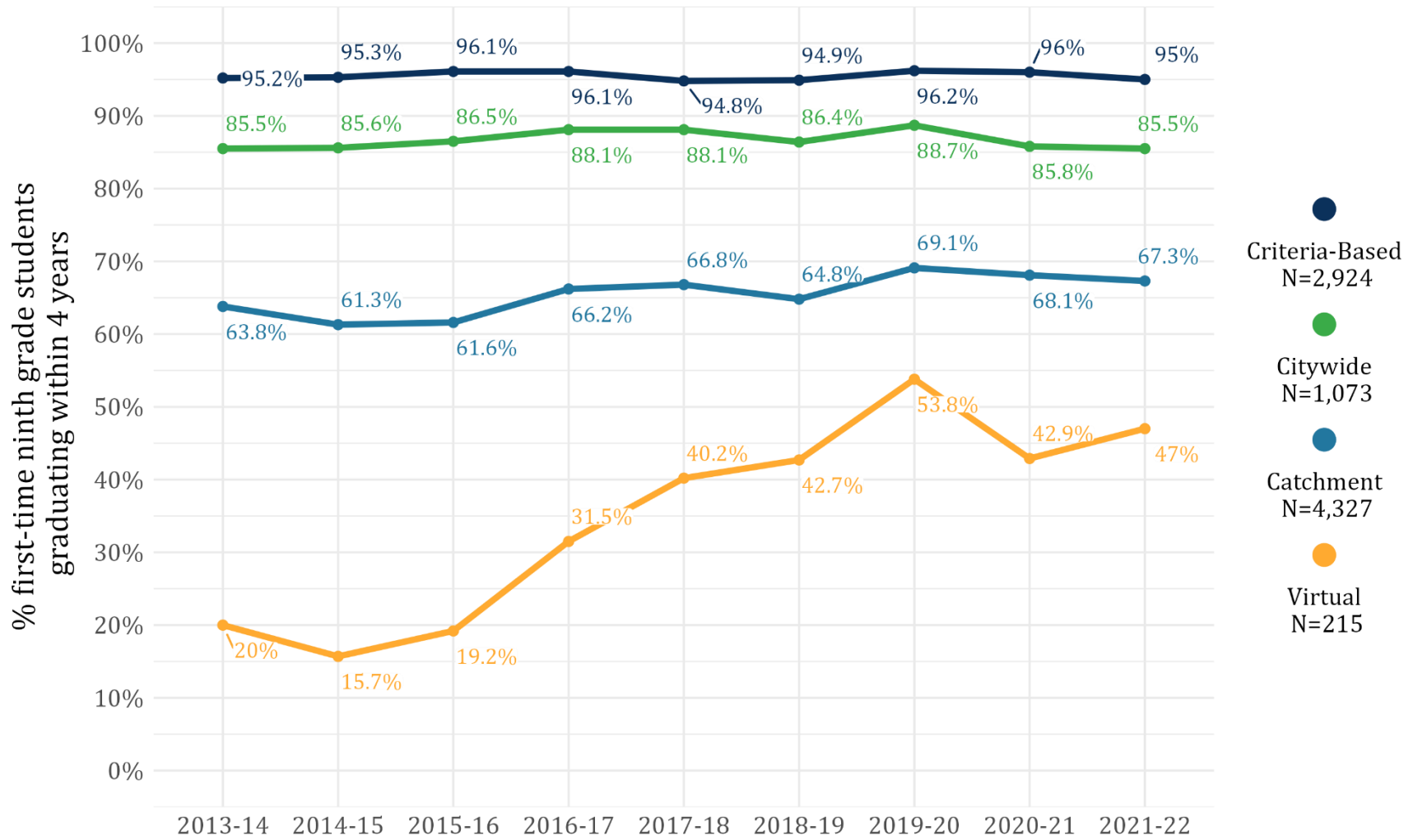


Source: Qlik Graduation and College Enrollment App; Graduation Rates Details sheet, retrieved on January 23, 2023
Note: N refers to the total number of all first-time ninth-graders in the 2021-22 on-time graduating cohorts in each category. See Appendix A.5 for a breakdown of the graduation rates into the numerators (the number of graduates) and denominators (the number of students in each cohort) used to calculate the percentages presented for 2019-20, 2020-21, and 2021-22 in this line graph. Student demographic information presented here only includes students enrolled in the District.
 *"Economically disadvantaged" refers to students who are eligible for income-tested federal assistance programs such as SNAP, TANF, or Medicaid. This indicator underestimates the percentage of students who are living in poverty or close to poverty because not all eligible families are identified.

Graduation Rates by High School Admission Type (District Only)

Historically, graduation rates have differed depending on the admission processes for high schools—whether they are catchment schools, open to students citywide, or have special criteria for admissions. As in previous years, criteria-based high schools had the highest graduation rate in 2021-22 (95%), followed by citywide admission schools (85.5%) and catchment schools (67.3%). Philadelphia Virtual Academy (PVA), the only District school that provides entirely virtual education, had a graduation rate of 47% (Figure 7). Between 2020-21 and 2021-22, graduation rates in catchment and criteria-based schools decreased by 0.8 percentage points and 1 percentage point, respectively. Graduation rates for citywide schools remained relatively stable from 2020-21 to 2021-22, but did see a decline of about 3 percentage points in 2020-21 after having increased 2 percentage points in 2019-20. PVA saw an even larger swing in those same years, with an 11-percentage-point increase in its graduation rate in 2019-20 followed by an 11-percentage-point decrease in 2020-21 to about 43%, a return to the same graduation rate as in 2018-19. This is likely due to the small and fluctuating size of this group.

Figure 7. Graduation rates by high school admission type, 2013-14 through 2021-22, for on-time graduating cohorts (District only)



Source: Qlik Graduation and College Enrollment App; Graduation Rates Overview sheet retrieved on January 23, 2023

Note: N refers to the total number of all first-time ninth-graders in the 2021-22 on-time graduating cohorts in each category. See Appendix A.3 for a breakdown of the graduation rates into the numerators (the number of graduates) and denominators (the number of students in each cohort) used to calculate the percentages presented for 2019-20, 2020-21, and 2021-22 in this line graph. Students represented in this chart only include students enrolled in the District.

Graduation Rates for CTE Students (District Only)

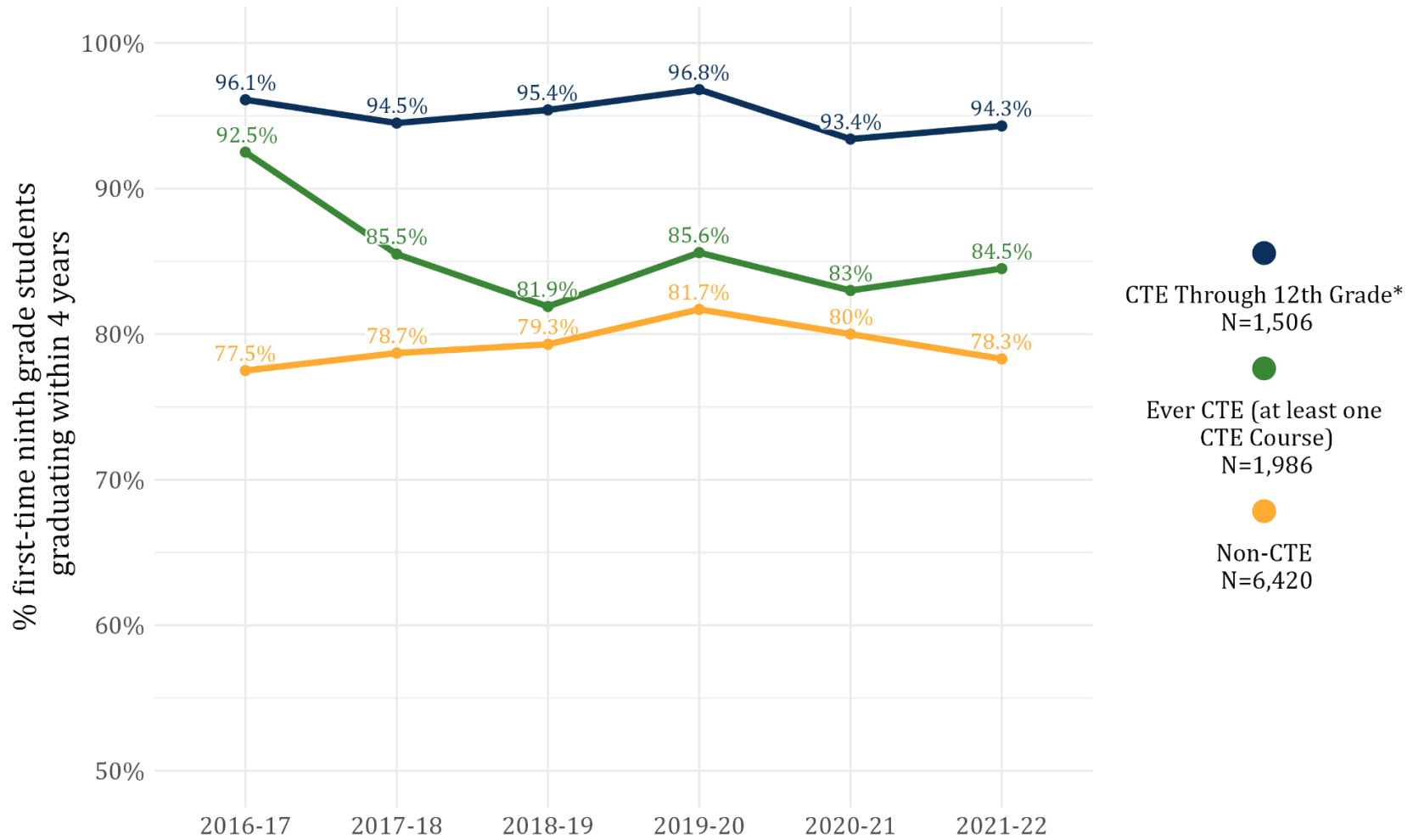
Twenty-five District schools offer CTE components or programs within their curricula (CTE program schools), and six District schools offer a comprehensive CTE curriculum, where all grades 10-12 students participate in CTE (CTE comprehensive schools).⁷ About 23% of the 2021-22 on-time graduating cohort took at least one CTE course in high school, and 18% of the cohort took at least one CTE course in 12th grade.

Consistent with past SDP research on CTE,⁸ an analysis of students who took CTE courses found that CTE participation was associated with higher graduation rates. In 2021-22, 84.5% of students who took at least one CTE course during high school and 94.3% of students who took CTE courses through 12th grade graduated on time, compared to 78.3% of District students who did not take any CTE courses in high school (Figure 8). Graduation rates for students who took CTE courses increased by about 1% from 2020-21 to 2021-22, after declining from 2019-20 to 2020-21. This aligns with the return to in-person instruction after virtual learning in 2020-21, which presented particular challenges for CTE courses and programs which emphasize hands-on learning.

⁷ Graduation rates by school CTE program type (i.e. CTE program schools vs. CTE comprehensive schools) are available in Appendix A.3.

⁸ An analysis of graduation outcomes for CTE students in the 2013-14 and 2014-15 ninth-grade cohorts is available here: <https://www.philasd.org/research/2019/04/20/analysis-of-9th-grade-2013-14-and-2014-15-cte-cohorts/>

Figure 8. Graduation rates, by CTE course participation, from 2016-17 to 2021-22 for on-time graduating cohorts (District only)



Source: Qlik Graduation and College Enrollment App; Graduation Rates Overview sheet retrieved on January 26, 2023

Note: N refers to the total number of all first-time ninth-graders in the 2021-22 on-time graduating cohorts in each category. See Appendix A.4 for a breakdown of the graduation rates into the numerators (the number of graduates) and denominators (the number of students in each cohort) used to calculate the percentages presented for 2019-20, 2020-21, and 2021-22 in this line graph. Students represented in this chart only include students enrolled in the District. There is no data for “CTE Through 12th Grade” or “Ever CTE” fields before 2016-17 due to data unavailability.

*Students who are still in high school by 12th grade, regardless of CTE participation, are more likely to then graduate on time.

Conclusions

Graduation rates in 2021-22 were similar to the previous year, with an increase of less than one percentage point for all students in Philadelphia public schools. The District school graduation rate was 78.5%, a one-point decline from 2020-21, while the Charter school graduation rate was 85.5%, a 0.1-point decline from 2020-21. The graduation rate for Alternative schools decreased from 21.9% in 2020-21 to 18% in 2021-22. Out of 112 Philadelphia city schools, 48 saw an increase in their graduation rates from 2020-21 to 2021-22.

Graduation rates for Asian, White, and Black/African American students increased by less than one percentage point from 2020-21 to 2021-22, while Hispanic/Latino student graduation rates decreased from 70.4% to 67.1%. The percentage of EL students graduating on time decreased by four percentage points from 2020-21 to 2021-22. The 2021-22 graduation rates for students with IEPs and students classified as economically disadvantaged remained within one percentage point of their 2020-21 graduation rates.

Among District schools, graduation rates followed similar patterns to previous years, with the highest graduation rates among criteria-based and citywide admission schools. Students in the 2021-22 on-time graduating cohort who took at least one CTE course during high school had higher graduation rates than their peers, with a graduation rate of 94.3% for those who took CTE courses through 12th grade.

Appendix A: Detail Tables for Number of Graduates and Cohort Sizes

Table A1. Breakdown of graduation rate components reported by SDP by sector for 2019-20, 2020-21, and 2021-22

Four-Year Target Graduation Year (First-time ninth-grade cohort year)	2019-20 On-Time Graduating Cohort (2016-17 first-time ninth-grade cohort year)	2020-21 On-Time Graduating Cohort (2017-18 first-time ninth-grade cohort year)	2021-22 On-Time Graduating Cohort (2018-19 first-time ninth-grade cohort year)
Philadelphia City Graduation Rate	75.7%	75%	75.4%
Number of Graduates (Numerator)	11,009	10,517	10,368
Cohort Total (Denominator)	14,539	14,029	13,749
District + Alternative Graduation Rate	72.2%	70.4%	71.2%
Number of Graduates (Numerator)	7,383	6,916	6,919
Cohort Total (Denominator)	10,223	9,823	9,715
District Graduation Rate	80.2%	79.6%	78.5%
Number of Graduates (Numerator)	6,836	6,575	6,707
Cohort Total (Denominator)	8,519	8,265	8,539
Alternative Graduation Rate	32.1%	21.9%	18%
Number of Graduates (Numerator)	547	341	212
Cohort Total (Denominator)	1,704	1,558	1,176
Charter Graduation Rate	84%	85.6%	85.5%
Number of Graduates (Numerator)	3,626	3,601	3,449
Cohort Total (Denominator)	4,316	4,206	4,034

Source: Qlik Graduation and College Enrollment App retrieved on January 20, 2023

Table A2. Breakdown of graduation rate components reported by SDP by network for 2019-20, 2020-21, and 2021-22 (District only)

Four-Year Target Graduation Year (First-time ninth-grade cohort year)	2019-20 On-Time Graduating Cohort (2016-17 first-time ninth-grade cohort year)	2020-21 On-Time Graduating Cohort (2017-18 first-time ninth-grade cohort year)	2021-22 On-Time Graduating Cohort (2018-19 first-time ninth-grade cohort year)
Innovation Network Graduation Rate	78.9%	77.2%	78.6%
Number of Graduates (Numerator)	715	841	801
Cohort Total (Denominator)	906	1,089	1,019
Network 13 Graduation Rate	69.5%	69.5%	71.1%
Number of Graduates (Numerator)	1,292	1,185	1,285
Cohort Total (Denominator)	1,859	1,706	1,808
Network 4 Graduation Rate	70.9%	67.3%	66.5%
Number of Graduates (Numerator)	1,495	1,334	1,370
Cohort Total (Denominator)	2,109	1,982	2,061
Network 1 Graduation Rate	91.5%	92.2%	89.5%
Number of Graduates (Numerator)	3,334	3,215	3,251
Cohort Total (Denominator)	3,645	3,488	3,634

Source: Qlik Graduation and College Enrollment App retrieved on January 23, 2023

Table A3. Breakdown of graduation rate components reported by SDP by admission type for 2019-20, 2020-21, and 2021-22 (District only)

Four-Year Target Graduation Year (First-time ninth-grade cohort year)	2019-20 On-Time Graduating Cohort (2016-17 first-time ninth-grade cohort year)	2020-21 On-Time Graduating Cohort (2017-18 first-time ninth-grade cohort year)	2021-22 On-Time Graduating Cohort (2018-19 first-time ninth-grade cohort year)
Catchment School Graduation Rate	69.1% (n=21 schools)	68.1% (n = 21 schools)	67.3% (n=22 schools)
Number of Graduates (Numerator)	3,051	2,766	2,910
Cohort Total (Denominator)	4,418	4,060	4,327
Citywide School Graduation Rate	88.7% (n=13 schools)	85.8% (n=13 schools)	85.5% (n=13 schools)
Number of Graduates (Numerator)	905	921	917
Cohort Total (Denominator)	1,020	1,073	1,073
Criteria-Based School Graduation Rate	96.2% (n=19 schools)	96% (n=19 schools)	95% (n=19 schools)
Number of Graduates (Numerator)	2,773	2,791	2,779
Cohort Total (Denominator)	2,882	2,906	2,924
Virtual School Graduation Rate	53.8% (n=1 school)	42.9% (n=1 school)	47% (n=1 school)
Number of Graduates (Numerator)	107	97	101
Cohort Total (Denominator)	199	226	215
CTE School Graduation Rate	75.7% (n=31 schools)	74.8% (n=31 schools)	73.8% (n=30 schools)
Number of Graduates (Numerator)	4,345	3,994	3,991
Cohort Total (Denominator)	5,741	5,338	5,407
CTE Program School Graduation Rate	74.7% (n=25 schools)	74.5% (n=25 schools)	73.5% (n=24 schools)
Number of Graduates (Numerator)	3,647	3,329	3,345
Cohort Total (Denominator)	4,880	4,470	4,549
CTE Comprehensive School Graduation Rate	81.1% (n=6 schools)	76.6% (n=6 schools)	75.3% (n=6 schools)
Number of Graduates (Numerator)	698	665	646
Cohort Total (Denominator)	861	868	858

Source: Qlik Graduation and College Enrollment App retrieved on January 23, 2023

Table A4. Breakdown of graduation rate components reported by SDP by student CTE course participation level for 2019-20, 2020-21, and 2021-22 (District only)

Four-Year Target Graduation Year (First-time ninth-grade cohort year)	2019-20 On-Time Graduating Cohort (2016-17 first-time ninth-grade cohort year)	2020-21 On-Time Graduating Cohort (2017-18 first-time ninth-grade cohort year)	2021-22 On-Time Graduating Cohort (2018-19 first-time ninth-grade cohort year)
Non-CTE Graduation Rate	81.7%	80%	78.3%
Number of Graduates (Numerator)	5,037	4,925	5,028
Cohort Total (Denominator)	6,163	6,158	6,420
Ever-CTE Graduation Rate	85.6%	83%	84.5%
Number of Graduates (Numerator)	1,795	1,650	1,679
Cohort Total (Denominator)	2,098	1,987	1,986
CTE Through 12th Grade Graduation Rate	96.8%	93.4%	94.3%
Number of Graduates (Numerator)	1,339	1,363	1,420
Cohort Total (Denominator)	1,383	1,459	1,506

Source: Qlik Graduation and College Enrollment App retrieved on January 23, 2023

Table A5. Breakdown of graduation rate components reported by SDP by student demographic for 2019-20, 2020-21, and 2021-22 (District only)

Four-Year Target Graduation Year (First-time ninth-grade cohort year)	2019-20 On-Time Graduating Cohort (2016-17 first-time ninth-grade cohort year)	2020-21 On-Time Graduating Cohort (2017-18 first-time ninth-grade cohort year)	2021-22 On-Time Graduating Cohort (2018-19 first-time ninth-grade cohort year)
Female Student Graduation Rate	85.9%	85.3%	84.3%
Number of Graduates (Numerator)	3,663	3,547	3,521
Cohort Total (Denominator)	4,266	4,159	4,176
Male Student Graduation Rate	74.6%	73.7%	72.9%
Number of Graduates (Numerator)	3,173	3,028	3,171
Cohort Total (Denominator)	4,253	4,106	4,347
Economically Disadvantaged Student Graduation Rate	79.6%	79.4%	78.4%
Number of Graduates (Numerator)	4,527	4,700	4,739
Cohort Total (Denominator)	5,690	5,920	6,044
Non- Economically Disadvantaged Student Graduation Rate	81.6%	80.1%	78.9%
Number of Graduates (Numerator)	2,309	1,875	1,968
Cohort Total (Denominator)	2,829	2,340	2,495
EL Student Graduation Rate	73.4%	71.3%	66.7%
Number of Graduates (Numerator)	915	787	902
Cohort Total (Denominator)	1,246	1,104	1,353
Non-EL Student Graduation Rate	81.4%	80.9%	80.8%
Number of Graduates (Numerator)	5,921	5,788	5,805
Cohort Total (Denominator)	7,273	7,156	7,186
IEP Student Graduation Rate	61.7%	61.7%	61.1%
Number of Graduates (Numerator)	841	844	861
Cohort Total (Denominator)	1,352	1,367	1,410

Four-Year Target Graduation Year (First-time ninth-grade cohort year)	2019-20 On-Time Graduating Cohort (2016-17 first-time ninth-grade cohort year)	2020-21 On-Time Graduating Cohort (2017-18 first-time ninth-grade cohort year)	2021-22 On-Time Graduating Cohort (2018-19 first-time ninth-grade cohort year)
Non-IEP Student Graduation Rate	83.6%	83.1%	82%
Number of Graduates (Numerator)	5,995	5,731	5,846
Cohort Total (Denominator)	7,167	6,898	7,129
Asian Student Graduation Rate	89.4%	92.2%	92.8%
Number of Graduates (Numerator)	900	883	903
Cohort Total (Denominator)	1,007	958	973
African American/Black Student Graduation Rate	80.6%	79.4%	79.6%
Number of Graduates (Numerator)	3,548	3,346	3,343
Cohort Total (Denominator)	4,404	4,216	4,202
Hispanic/Latino Student Graduation Rate	72.5%	70.4%	67.1%
Number of Graduates (Numerator)	1,249	1,210	1,285
Cohort Total (Denominator)	1,723	1,718	1,916
Multi Racial/Other Student Graduation Rate	82.3%	77.4%	70.8%
Number of Graduates (Numerator)	186	219	225
Cohort Total (Denominator)	226	283	318
White Student Graduation Rate	82.5%	84.4%	84.5%
Number of Graduates (Numerator)	937	905	937
Cohort Total (Denominator)	1,136	1,072	1,109

Source: Qlik Graduation and College Enrollment App retrieved on January 23, 2023

Note: Nonbinary, American Indian/Alaskan Native and Native Hawaiian/Pacific Islander students are included in overall totals but do not appear in this table because there were fewer than 20 students in these categories.

Table B1. School-level graduation rates, District, Alternative, and Charter schools.

2021-22 Learning Network	School Name	2021-22 On-Time Graduating Cohort Total⁹ (Denominator)	Four-Year Graduation Rate
Network 1	Girard Academic Music Program	58	100.0%
Network 1	Masterman, Julia R. High School	114	100.0%
Charters	Math, Civics And Sciences	88	100.0%
Network 1	Parkway Center City Middle College HS	110	100.0%
Innovation	Science Leadership Academy	122	100.0%
Charters	Math, Science And Technology	120	99.2%
Network 1	Central High School	600	98.8%
Network 1	Arts Academy at Benjamin Rush	142	98.6%
Network 1	Engineering & Science High	199	98.5%
Network 1	Creative and Performing Arts	186	98.4%
Charters	Multicultural Academy	50	98.0%
Network 1	Academy at Palumbo	333	97.0%
Charters	Phila Performing Arts: A String Theory	153	96.7%
Charters	Tacony Academy Charter School	86	96.5%
Network 1	Constitution High School	81	96.3%
Charters	KIPP DuBois Charter School	109	96.3%
Network 1	Robeson, Paul High School	81	96.3%
Innovation	Science Leadership Academy at Beeber	107	96.3%
Network 13	Swenson Arts/Tech High School	135	96.3%
Charters	First Phila Prep	95	95.8%
Charters	Franklin Towne Charter School	295	95.6%
Network 1	Lankenau High School	90	95.6%
Network 1	Saul, Walter B. High School	84	95.2%
Innovation	Building 21	72	94.4%
Charters	New Foundations Charter School	162	94.4%
Charters	Freire Charter School	106	94.3%
Charters	Mastery Charter at Lenfest	86	94.2%
Network 1	Bodine, William W. High School	114	93.9%
Network 1	Motivation High School	81	93.8%
Charters	TECH Freire Charter School	100	93.0%
Network 1	Girls, Phila High School for	135	92.6%
Network 4	Parkway-Northwest High School	54	92.6%
Innovation	Philadelphia Military Academy	65	92.3%
Charters	Preparatory Charter School	126	92.1%
Charters	Bracetti, Mariana Academy	131	91.6%
Charters	Imhotep Charter School	132	90.9%

⁹ For more detailed information on SDP business rules regarding on-time graduation rate calculations, please visit: <https://www.philasd.org/research/2020/05/04/school-district-of-philadelphia-graduation-rates-definitions-and-trends/>

2021-22 Learning Network	School Name	2021-22 On-Time Graduating Cohort Total⁹ (Denominator)	Four-Year Graduation Rate
Charters	Community Academy Of Phila	140	90.7%
Charters	Sankofa Freedom Academy	43	90.7%
Charters	Esperanza Academy Charter School	171	90.6%
Charters	Maritime Academy Charter	60	90.0%
Charters	Phila Electrical & Technology	159	89.9%
Charters	Boys Latin of Phila Charter	89	88.8%
Charters	Mastery Charter at Shoemaker	123	88.6%
Charters	Mastery Charter at Hardy Williams	75	88.0%
Charters	Philadelphia Academy	98	87.8%
Innovation	Vaux High School	100	87.0%
Network 4	Kensington Health Sciences	111	86.5%
Network 1	Franklin Learning Center	227	85.9%
Network 13	Parkway West High School	62	85.5%
Charters	Belmont Elementary Charter	75	85.3%
Innovation	High School of the Future	148	84.5%
Charters	Mastery Charter at Pickett	102	84.3%
Network 13	Randolph Technical High School	54	83.3%
Network 13	Dobbins, Murrell High School	195	81.0%
Innovation	The LINC	31	80.6%
Charters	Universal Charter Audenried	77	80.5%
Charters	Mastery Charter at Gratz	234	79.5%
Innovation	The Workshop School	53	77.4%
Charters	Mastery Charter at Thomas	114	74.6%
Network 4	Mastbaum, Jules E. High School	105	73.3%
Network 13	Furness, Horace High School	190	73.2%
Network 1	Northeast High School	880	72.8%
Network 13	Bartram, John High School	157	72.6%
Innovation	The U School	40	72.5%
Network 4	Washington, George High School	338	72.5%
Network 4	Kensington CAPA	130	72.3%
Network 13	Overbrook High School	99	71.7%
Network 13	Sayre, William L. High School	104	71.2%
Network 4	Roxborough High School	248	70.6%
Closed ¹⁰	Aspira Olney Charter High	467	70.0%
Network 13	West Philadelphia High School	102	69.6%
Opportunity	Gateway To College Community College of Philadelphia	27	66.7%

¹⁰ Aspira Olney Charter High closed in 2021-22 and is now Olney High School, which opened in 2022-23. Schools in a “Closed” Network were not open in the 2021-22 school year, but still had students for whom that school was their last enrollment.

2021-22 Learning Network	School Name	2021-22 On-Time Graduating Cohort Total⁹ (Denominator)	Four-Year Graduation Rate
Network 13	Fels, Samuel High School	235	66.4%
Network 4	Lincoln, Abraham High School	516	62.4%
Network 13	South Philadelphia H.S.	190	62.1%
Network 4	Kensington High School	108	62.0%
Network 1	Hill-Freedman World Academy	106	61.3%
Network 4	Franklin, Benjamin High School	98	61.2%
Innovation	Penn Treaty High School	66	60.6%
Network 4	Frankford High School	233	56.2%
Network 13	Edison, Thomas A. High School	285	54.7%
Opportunity	Achieve Academy	10	50.0%
Opportunity	Achieve Academy East	2	50.0%
Innovation	Philadelphia Virtual Academy	215	47.0%
Network 4	King, Martin Luther High Sch.	117	45.3%
Opportunity	South Philadelphia HS - EOP	36	44.4%
Opportunity	One Bright Ray Mansion Evening	82	41.5%
Closed	Philadelphia OIC Workforce Academy	5	40.0%
Opportunity	Ombudsman Accelerated Northwest	23	34.8%
Innovation	Phila Learning Academy South	31	32.3%
Opportunity	Liguori Academy-Fortis	37	29.7%
Innovation	Pennypack House School	37	29.7%
Charters	Youthbuild Phila. Charter	132	25.0%
Network 1	Widener Memorial School	13	23.1%
Opportunity	Northeast High School EOP	27	18.5%
Opportunity	OIC CADI	77	18.2%
Opportunity	El Centro (Big Picture)	69	15.9%
Opportunity	Excel Academy North	69	15.9%
Opportunity	Ben Franklin High Schl EOP	42	11.9%
Opportunity	One Bright Ray Mansion	53	11.3%
Opportunity	One Bright Ray - Simpson	101	10.9%
Opportunity	One Bright Ray - Fairhill	103	10.7%
Opportunity	One Bright Ray - Elmwood Campus	44	9.1%
Opportunity	Excel Academy South	156	9.0%
Opportunity	YESPhilly	52	3.8%
Innovation	Phila Learning Academy North	27	3.7%
Innovation	Phila Juv Justice Svcs Ctr	41	2.4%
Closed	Architecture & Design Charter	14	0.0%
Innovation	Crossroads Accelerated Academy	4	0.0%
Closed	Eastern University Academy	3	0.0%
Charters	Mast Community Charter II	1	0.0%
Closed	Olney High School	17	0.0%

2021-22 Learning Network	School Name	2021-22 On-Time Graduating Cohort Total⁹ (Denominator)	Four-Year Graduation Rate
Closed	One Bright Ray Simpson - Evening	21	0.0%
Charters	People For People	18	0.0%
Network 4	Strawberry Mansion High School ¹¹	3	0.0%

Source: Qlik Graduation and College Enrollment App; Graduation Map retrieved on January 20, 2023

¹¹ Strawberry Mansion High School paused 9th grade enrollment in the 2018-19 school year and used it as a planning period due to low enrollment. Therefore, the 2018-19 graduation cohort size was affected.