

## 2020-21 High School Graduation Rates in Philadelphia

Helena Pylvainen, M.P.P., Policy Research Analyst

Many staff in the Office of Evaluation, Research, and Accountability contributed to processing, analyzing, and reviewing the information in this brief. Major contributions were made by Ebru Erdem, Ph.D., Lucas Westmaas, M.P.P., Joy Lesnick, Ph.D., and Theodore Wills, 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. This brief explores graduation rates across public schools in the city of Philadelphia in 2020-21, comparing trends for District, Alternative,<sup>1</sup> and Charter schools. Graduation rates in 2020-21 are compared to those in 2019-20<sup>2</sup> as well as 2018-19, prior to the COVID-19 pandemic.<sup>3</sup> For students enrolled in District schools, the brief highlights differences in graduation rates by student demographics, school admission type, and presence of different Career and Technical Education (CTE) programs.

### Key Findings

- The Philadelphia city-wide on-time graduation rate was 75% in 2020-21.
- The on-time graduation rate for District schools remained at 80%, the same rate as 2019-20.
- Alternative school graduation rates declined by 10 percentage points from 2019-20 to 2020-21.
- Graduation rates increased for Asian students and White students and decreased for Black/African-American students and Hispanic/Latinx students, although rates for students of all of these racial/ethnic backgrounds remained higher than five years ago.

---

<sup>1</sup>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/>.

<sup>2</sup> For an analysis of 2019-20 graduation rates, visit:

<https://www.philasd.org/research/2021/04/22/summary-of-2019-20-high-school-graduation-rates-in-philadelphia/>.

<sup>3</sup> This brief explores trends from 2018-19 to 2020-21. For an analysis of longer-term trends from 2013-14 to 2018-19, visit <https://www.philasd.org/research/wp-content/uploads/sites/90/2020/05/graduation-rate-definitions-and-trends-may-2020.pdf>.

## Research Questions

This brief explores the following research questions:

1. What were the overall trends in high school graduation rates in 2020-21 for students attending District, Alternative, and Charter schools compared to the previous two school years?
2. How did graduation rates for students attending District schools in 2020-21 differ by student demographics, and how has this pattern changed over the past 3 years?
3. How did graduation rates for students attending District schools in 2020-21 differ by high school admission type and CTE course participation, and how have these patterns changed over the past 3 years?

### How is the graduation rate calculated?

In this report, “graduation rate” is the percentage of an entering ninth grade class who graduated by September 30th following 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.”<sup>4</sup>

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 such as transfers into the District 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 placed in a grade based on a review of the transcript(s) from the student’s prior school(s). The student’s ninth grade cohort is then determined based on the earliest high school grade on record. 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 (i.e. removed from the denominator for calculation of four-year graduation rates), while students who drop out of high school are retained.

---

<sup>4</sup> For more detailed information on SDP business rules describing which students constitute the first-time ninth-grade cohort, please visit <https://www.philasd.org/research/wp-content/uploads/sites/90/2020/05/graduation-rate-definitions-and-trends-may-2020.pdf>.

### **Box 1. Possible Graduation Outcomes**

To accurately calculate the denominator for the four-year graduation rate, each student in the ninth-grade cohort is assigned one of four possible graduation outcome classifications at the end of the summer following their fourth year of high school:

1. **Graduate:** The student received a diploma by the end of the summer after their fourth year of high school.
2. **Continuing:** The student is enrolled in a District school to continue for a fifth year.
3. **Dropout:** The student is not enrolled in any school and has discontinued their high school education.
4. **Non-drop departure (transfers):** The student has transferred outside the District.

While *graduate*, *continuing*, and *dropout* students are **included** in the student count for the first-time ninth grade cohort (i.e. the denominator for the four-year graduation rate), *non-drop departure* students are **excluded**.

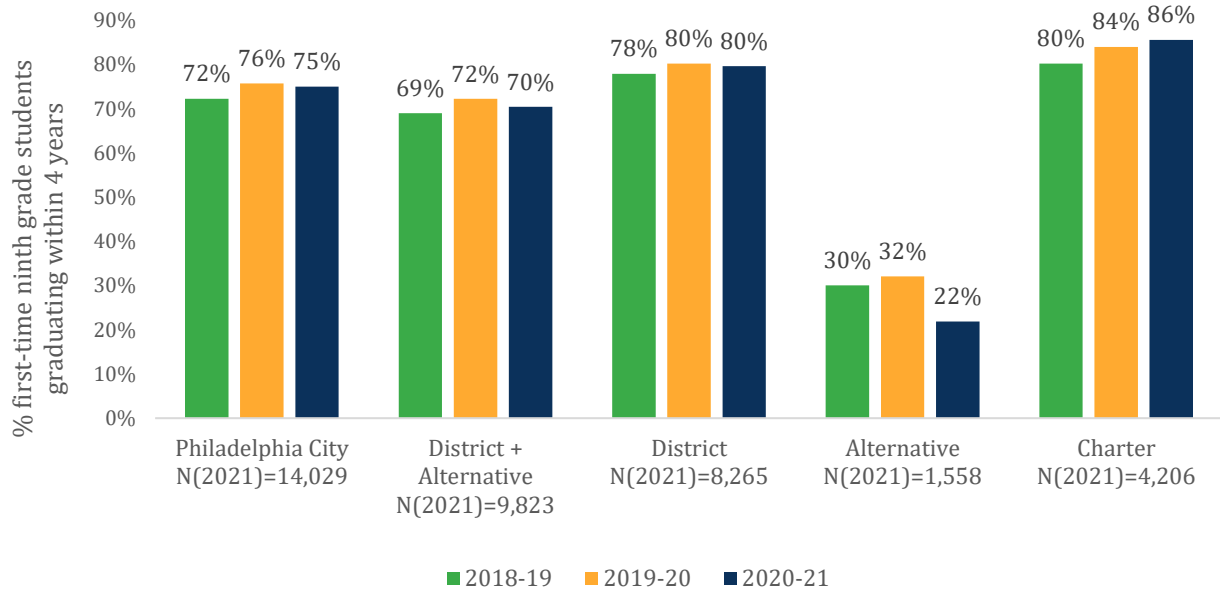
## **Key Findings**

### **Graduation Rates for the 2020-21 On-Time Graduating Cohort**

Of the 14,029 students who were part of the 2017-18 ninth-grade cohort attending District, Charter, and Alternative schools across the city of Philadelphia, 75% graduated on time in 2020-21. This rate represents a decline of about one percentage point (0.8 percentage points) from 2019-20, but was still around three percentage points higher than in 2018-19 (Figure 1).

As in prior years, the on-time graduation rate was highest for students enrolled in Charter schools, at 86%, two percentage points higher than in 2020-21 and six percentage points higher than in 2018-19. The graduation rate for students in District schools (excluding Alternative schools) held steady at 80%, the same rate as the prior year. However, the graduation rate for Alternative schools declined about 10 percentage points, from 32% in 2019-20 to 22% in 2020-21. Although the 2017-18 ninth-grade cohort for Alternative schools was nearly 150 students fewer than the previous cohort, the total number of graduates from this cohort declined by an even greater rate, with just 341 out of the 1,558 students in the Alternative schools ninth-grade cohort graduating on time in 2020-21 (22%).

Figure 1. Overall Four-Year Graduation Rate for Philadelphia City, District, and Charter schools in Philadelphia for 2018-19, 2019-20, and 2020-21 On-Time Graduating Cohorts



**Source:** Qlik Data App – Graduation and College Enrollment App; Graduation Rates Overview sheet, retrieved on March 17, 2022

**Note:** *N* refers to the total number of 2017-18 first-time ninth-grader cohort students who graduated on time in 2020-21 in each category. For example, the *N*=14,029 for Philadelphia City means there were 14,029 students in the 2020-21 on-time graduating cohort across District, Alternative, and Charter schools in the city. See Appendix A.1 for the *N* for each year, along with a full breakdown of the graduation rates into numerators and denominators.

At the school level, graduation rates increased from 2019-20 to 2020-21 in 43% of District schools, compared to 63% of Charter schools and 25% of Alternative schools (Table 1).

Table 1. School-level changes in graduation rates, 2019-20 to 2020-21

	Overall Philadelphia (a)	District + Alternative Schools (b)	District Schools (c)	Alternative Schools (d)	Charter Schools (e)
Number of schools with graduation rates that <b>increased</b> from 2019-20 to 2020-21	49	29	23	6	20
Number of schools with graduation rates that <b>decreased</b> from 2019-20 to 2020-21	57	46	29	17	11
Number of schools with graduation rates that <b>remained the same</b> from 2019-20 to 2020-21	3	2	1	1	1
Total number of schools	109	77	53	24	32

**Source:** Qlik Data App – Graduation and College Enrollment App; Graduation Rate: Map sheet retrieved on March 18, 2022

**Note:** Two schools (Belmont Charter Elementary School and Vaux High School) are not included in this table because they had 12<sup>th</sup> graders for the first time in 2020-21.

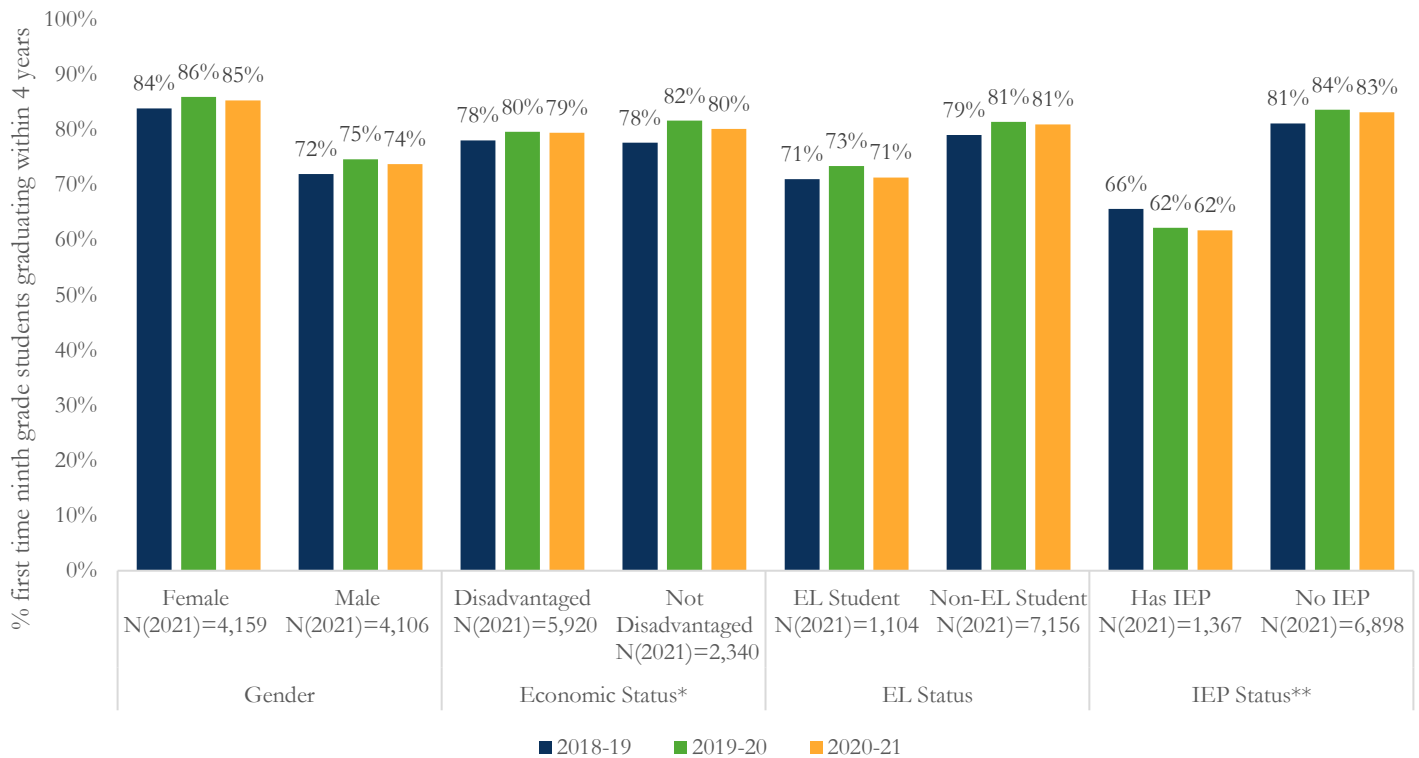
### Graduation Rates by Student Demographics (District Students)

Graduation rates for students in District schools<sup>5</sup> 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 indicators. The longstanding gender differentials in graduation rates continued, with 85% of female students in the 2020-21 on-time cohort graduating, compared to 74% of male students (Figure 2). The percentage of English learner (EL) students graduating on time decreased from 73% in 2019-20 to 71% in 2020-21, while graduation rates for non-EL students remained unchanged. The graduation rate for students with Individualized Education Programs (IEPs)<sup>6</sup> for special education services remained at around 62%, more than 20 percentage points lower than the rate for students without IEPs. The difference in graduation rates for students classified as economically disadvantaged and students not classified as such was less than one percentage point; however, this indicator is based on identified eligibility for federal assistance programs, and many students living in poverty may not be accurately identified.

<sup>5</sup> Both contracted and District-operated Alternative schools were excluded from this analysis.

<sup>6</sup> Gifted students with IEPs are excluded from the “students with IEPs” category.

Figure 2. Graduation rates by student demographics for the 2018-19, 2019-20, and 2020-21 on-time graduating cohorts (District only)



\*“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.

\*\*Students with IEPs related to their Gifted classification are categorized as “No IEP.”

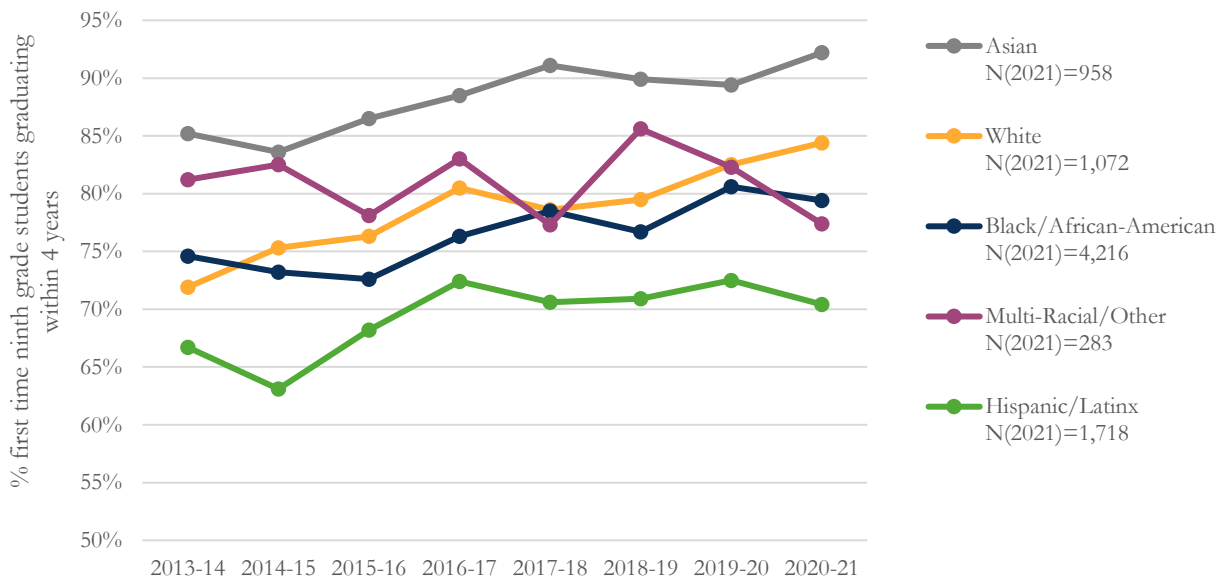
**Source:** Qlik Data App – Graduation and College Enrollment App; Graduation Rates Overview sheet, retrieved on March 17, 2022

**Note:** *N* refers to the total number of 2017-18 first-time ninth-grader cohort students who graduated on time in 2020-21 in each category. For example, N=4,159 for the female category means there were 4,159 female students in the 2020-21 on-time graduating cohort. See Appendix A.5 for a breakdown of the graduation rates into numerators and denominators for each year. Student demographic information presented here excludes students enrolled in Alternative and Charter schools.

Although the overall graduation rates remained stable between 2019-20 and 2020-21, the trends in the past two years have differed for students of different racial/ethnic backgrounds. Between 2019-20 and 2020-21, graduation rates for Black/African-American and Hispanic/Latinx students decreased slightly (by 1 and 2 percentage points, respectively), while graduation rates for White and Asian students increased (+2 and +3 percentage points, respectively). Despite this, the longer-term trends are more similar between different student racial/ethnic groups, and graduation rates for the four largest racial/ethnic groups have all increased by 4-13 percentage points since 2013-14 (Figure 3). In particular, graduation rates for Black/African-American and White students have remained within two percentage points of one another, on average, for the past eight years.

The exception to this pattern is for students in the Multi-Racial/Other race/ethnicity category, the graduation rate for whom has fluctuated much more widely and declined overall (-4 percentage points) since 2013-14. This is likely due to the small and fluctuating size of this group.<sup>7</sup>

Figure 3. Graduation rates by student race/ethnicity for on-time graduating cohorts from 2013-14 to 2020-21 (District only)



**Source:** Qlik Data App – Graduation and College Enrollment App; Graduation Rates Overview sheet retrieved on March 21, 2022

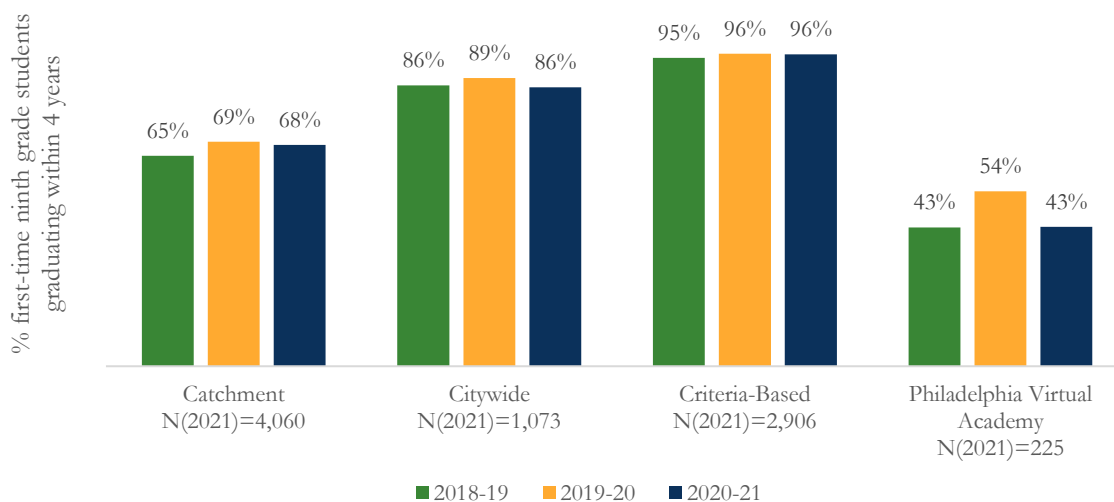
**Note:** *N* refers to the total number of 2017-18 first-time ninth-grader cohort students who graduated on time in 2020-21 in each category. For example, *N*=958 for Asian students means there were 958 Asian students in the 2020-21 on-time graduating cohort. American Indian/Alaskan Native and Native Hawaiian/Pacific Islander categories are not included in this analysis because there were fewer than 20 students in these two categories. See Appendix A.5 for a breakdown of the graduation rates into numerators and denominators for 2018-19, 2019-20, and 2020-21. Student demographic information presented here excludes students enrolled in Alternative and Charter schools.

<sup>7</sup> There were 283 students in the Multi-Racial/Other category for the 2020-21 on-time graduating cohort. The denominator for students in this race/ethnicity category has fluctuated substantially over time. For example, there were 133 “Multi-Racial/Other” students in the 2013-14 cohort, and 369 in 2018-19.

## 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 city-wide, or have special criteria for admissions.<sup>8</sup> As in previous years, Criteria-Based<sup>9</sup> high schools had the highest graduation rate in 2020-21 (96%), followed by Citywide admission schools (86%) and Catchment schools (68%). Philadelphia Virtual Academy (PVA), the only District school in the “virtual” admissions category, had a graduation rate of 43%. These patterns have largely remained stable in the past 3 years (Figure 4). Between 2019-20 and 2020-21, graduation rates in Catchment and Criteria-Based schools changed by 1 percentage point and 0.2 percentage points, respectively. There was a somewhat larger shift in graduation rates for students in Citywide schools, which declined by about 3 percentage points in 2020-21, but remained within a percentage point of the 2018-19 rate for these schools. The main exception was for PVA, which had an 11-percentage-point increase in its graduation rate in 2019-20, followed by an 11-percentage-point decrease in 2020-21 to 43%, the same graduation rate as 2018-19.

Figure 4. Graduation rates 2018-19, 2019-20, and 2020-21 on-time graduating cohorts by high school admission type (District schools only)



**Source:** Qlik Data App – Graduation and College Enrollment App; Graduation Rates Overview sheet retrieved on March 17, 2022

**Note:** *N* refers to the total number of 2017-18 first-time ninth-grader cohort students who graduated on time in 2020-21 in each category. For example, 2020-21 *N*=4,060 means there were 4,060 students in the 2020-21 on-time graduating cohort in Catchment schools. See Appendix A.3 for the *N* for each year, along with a full breakdown of the graduation rates by school admission type into numerators and denominators. These figures exclude students in Alternative and Charter schools.

<sup>8</sup> Admissions criteria and school selection processes for all high schools were revised in 2021-22, but the first cohort of student impacted by these changes will not graduate until 2025-26. For more information about high school admission types and the school selection process, please visit <https://www.philasd.org/research/2020/05/12/school-selection-in-sdp-final-report/>.

<sup>9</sup> Formerly known as “Special Admissions” high schools



## Graduation Rates for CTE Students (District Only)

Twenty-five District schools offer CTE components or programs within the curriculum (CTE program schools), and six District schools offer a comprehensive CTE curriculum, where all grades 10-12 students participate in CTE (CTE comprehensive schools).<sup>10</sup> About 24% of the 2020-21 on-time graduating cohort took at least one CTE course in high school,<sup>11</sup> and 18% of the cohort took at least one CTE course in 12<sup>th</sup> grade.

Consistent with past SDP research on CTE,<sup>12</sup> an analysis of students who took CTE courses found that CTE participation was associated with higher graduation rates. Eighty-three percent of students who took at least one CTE course during high school and 93% who took CTE courses through 12<sup>th</sup> grade<sup>13</sup> graduated on time in 2020-21, compared to 80% of District students who did not take any CTE courses in high school (Figure 5). Graduation rates for students who took CTE courses increased by four percentage points from 2018-19 to 2019-20, but subsequently declined by three percentage points in 2020-21. However, these graduation rates should be considered in the context of the primarily virtual modality in 2020-21, which presented particular challenges for CTE courses and programs which emphasize hands-on learning.

---

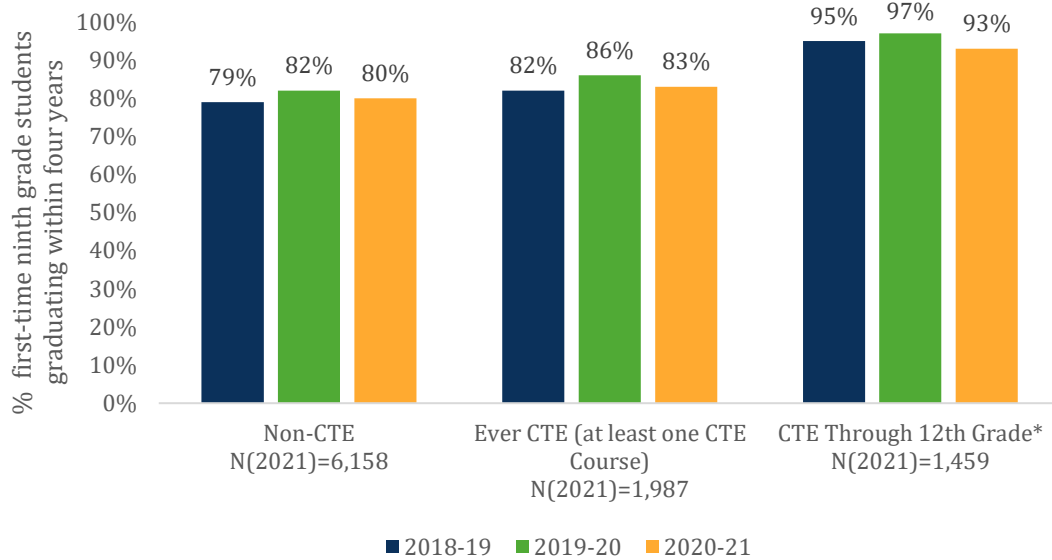
<sup>10</sup> Graduation rates by school CTE program type (i.e. CTE program schools vs. CTE comprehensive schools) are available in Appendix A.3.

<sup>11</sup> This figure includes students who took courses which were aligned with a National Occupational Competency Testing Institute (NOCTI) exam as well as CTE courses without an associated NOCTI assessment.

<sup>12</sup> 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/>.

<sup>13</sup> While this figure is based on the number of students who were enrolled in a CTE course in 12<sup>th</sup> grade and does not consider prior CTE course enrollment, it is very rare for a student to take a CTE course for the first time as a 12<sup>th</sup> grader. For example, only 20 out of 9,216 students in the 2014-15 ninth grade cohort (0.22%) and 70 out of 9,518 students in the 2014-15 ninth grade cohort (0.74%) started CTE in 12<sup>th</sup> grade/year 3 of the program (see <https://www.philasd.org/research/2019/04/20/analysis-of-9th-grade-2013-14-and-2014-15-cte-cohorts/>, "Definitions and totals for CTE subgroups," slide 6).

Figure 5. Graduation rates for the 2018-19, 2019-20, and 2020-21 on-time graduating cohorts, by CTE course participation (District schools only)



\*See footnote 13 for more details on this variable.

**Source:** Qlik Data App – Graduation and College Enrollment App; Graduation Rates Overview sheet retrieved on May 20, 2022

**Note:** *N* refers to the total number of 2017-18 first-time ninth-grader cohort students who graduated on time in 2020-21 in each category. For example, *N*=6,158 for Non-CTE means there were 6,158 total students in the 2020-21 on-time graduating cohort who never took CTE courses in high school. See Appendix A.4 for a breakdown of these graduation rates into numerators and denominators and Appendix A.3 for a breakdown of graduation rates by CTE program type. These figures exclude Alternative and Charter schools.

## Conclusion

Graduation rates in 2020-21 were similar to the previous year, with a decline of less than one percentage point for all students in District, Alternative, and Charter schools across the city. For District schools, the four-year graduation rate for the 2020-21 on-time graduating cohort held steady at 80%, the same rate as the previous cohort. Comparing graduation rates by sector revealed similar patterns to previous years, with the highest graduation rates in Charter schools and the lowest in Alternative schools. However, there was a decline of more than 32% (or ten percentage points) in graduation rates in Alternative schools. 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 2020-21 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 93% for those who took CTE courses through 12<sup>th</sup> grade.

Student demographics continue to be strongly associated with graduation rates. Female students, students without IEPs, and non-EL students in the 2020-21 on-time graduation cohort had higher graduation rates than their peers. The differences in graduation rates between students of different racial/ethnic groups persisted. Although the overall District graduation rate did not change between 2019-20 and 2020-21, graduation rates increased for White and Asian students while they decreased for Black/African-American and Hispanic/Latinx students. Despite this, graduation rates for students of most racial/ethnic backgrounds remained higher than those five years ago.

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

Table A.1. Breakdown of Graduation Rate by Sector for 2018-19, 2019-20, and 2020-21 On-Time Graduating Cohorts

<b>Four-Year Target Graduation Year (First-time ninth-grade cohort year)</b>	<b>2018-19 On-Time Graduating Cohort (2015-16 first-time ninth-grade cohort year)</b>	<b>2019-20 On-Time Graduating Cohort (2016-17 first-time ninth-grade cohort year)</b>	<b>2020-21 On-Time Graduating Cohort (2017-18 first-time ninth-grade cohort year)</b>
<b>Philadelphia City Graduation Rate</b>	<b>72%</b>	<b>76%</b>	<b>75%</b>
Number of Graduates (Numerator)	10,588	11,009	10,517
Cohort Total (Denominator)	14,617*	14,539*	14,029
<b>District + Alternative Graduation Rate</b>	<b>69%</b>	<b>72%</b>	<b>70%</b>
Number of Graduates (Numerator)	7,147	7,383	6,916
Cohort Total (Denominator)	10,325*	10,223*	9,823
<b>District Graduation Rate</b>	<b>78%</b>	<b>80%</b>	<b>80%</b>
Number of Graduates (Numerator)	6,570	6,836	6,575
Cohort Total (Denominator)	8,435	8,519	8,265
<b>Alternative Graduation Rate</b>	<b>30%</b>	<b>32%</b>	<b>22%</b>
Number of Graduates (Numerator)	577	547	341
Cohort Total (Denominator)	1,890*	1,704*	1,558
<b>Charter Graduation Rate</b>	<b>80%</b>	<b>84%</b>	<b>86%</b>
Number of Graduates (Numerator)	3,441	3,626	3,601
Cohort Total (Denominator)	4,292	4,316*	4,206

\*Some denominators in 2018-19 and 2019-20 have minor differences from the 2019-20 graduation report (of ~30 students or less), due to subsequent data cleaning.

Source: Qlik Data App – Graduation and College Enrollment App retrieved on March 17, 2022

Table A.2. Breakdown of Graduation Rate by Network for 2018-19, 2019-20, and 2020-21 On-Time Graduating Cohorts (District only)

<b>Four-Year Target Graduation Year (First-time ninth-grade cohort year)</b>	<b>2018-19 On-Time Graduating Cohort (2015-16 first-time ninth-grade cohort year)</b>	<b>2019-20 On-Time Graduating Cohort (2016-17 first-time ninth-grade cohort year)</b>	<b>2020-21 On-Time Graduating Cohort (2017-18 first-time ninth-grade cohort year)</b>
<b>Network 1 Graduation Rate</b>	<b>91%</b>	<b>92%</b>	<b>92%</b>
Number of Graduates (Numerator)	3,233	3,334	3,215
Cohort Total (Denominator)	3,561	3,645	3,448
<b>Network 4 Graduation Rate</b>	<b>67%</b>	<b>71%</b>	<b>67%</b>
Number of Graduates (Numerator)	1,419	1,495	1,334
Cohort Total (Denominator)	2,130	2,109	1,982
<b>Network 13 Graduation Rate</b>	<b>66%</b>	<b>69%</b>	<b>69%</b>
Number of Graduates (Numerator)	1,212	1,292	1,185
Cohort Total (Denominator)	1,826	1,859	1,706
<b>Innovation Network Graduation Rate</b>	<b>78%</b>	<b>79%</b>	<b>77.2%</b>
Number of Graduates (Numerator)	706	715	841
Cohort Total (Denominator)	909	906	1,089

Source: Qlik Data App – Graduation and College Enrollment App retrieved on March 17, 2022

Table A.3. Breakdown of Graduation Rate by Admission Type and CTE Program Type for 2018-19, 2019-20, and 2020-21 On-Time Graduating Cohorts

<b>Four-Year Target Graduation Year (first-time ninth-grade cohort year)</b>	<b>2018-19 On-Time Graduating Cohort (2015-16 first-time ninth-grade cohort year)</b>	<b>2019-20 On-Time Graduating Cohort (2016-17 first-time ninth-grade cohort year)</b>	<b>2020-21 On-Time Graduating Cohort (2017-18 first-time ninth-grade cohort year)</b>
<b>Catchment School Graduation Rate</b>	<b>65% (n = 22 schools)</b>	<b>69% (n=21 schools)</b>	<b>68% (n=21 schools)</b>
Number of Graduates (Numerator)	2,679	3,051	2,766
Cohort Total (Denominator)	4,135	4,418	4,060
<b>Citywide School Graduation Rate</b>	<b>86% (n=13 schools)</b>	<b>89% (n=13 schools)</b>	<b>86% (n=13 schools)</b>
Number of Graduates (Numerator)	1,013	905	921
Cohort Total (Denominator)	1,173	1,020	1,073
<b>Criteria-Based School Graduation Rate</b>	<b>95% (n=19 schools)</b>	<b>96% (n=19 schools)</b>	<b>96% (n=19 schools)</b>
Number of Graduates (Numerator)	2,805	2,773	2,791
Cohort Total (Denominator)	2,956	2,882	2,906
<b>Virtual School Graduation Rate</b>	<b>43% (n=1 school)</b>	<b>54% (n=1 school)</b>	<b>43% (n=1 school)</b>
Number of Graduates (Numerator)	73	107	97
Cohort Total (Denominator)	171	199	226
<b>CTE School Graduation Rate (Program Schools + Comprehensive Schools)</b>	<b>73% (n=32 schools)</b>	<b>76% (n=31 schools)</b>	<b>75% (n=31 schools)</b>
Number of Graduates (Numerator)	4,126	4,345	3,994
Cohort Total (Denominator)	5,637	5,741	5,338
<b>CTE Program School Graduation Rate</b>	<b>72% (n=26 schools)</b>	<b>75% (n=25 schools)</b>	<b>74% (n=25 schools)</b>
Number of Graduates (Numerator)	3,406	3,647	3,329
Cohort Total (Denominator)	4,723	4,880	4,470
<b>CTE Comprehensive School Graduation Rate</b>	<b>79% (n=6 schools)</b>	<b>81% (n=6 schools)</b>	<b>77% (n=6 schools)</b>
Number of Graduates (Numerator)	720	698	665
Cohort Total (Denominator)	914	861	868

Source: Qlik Data App – Graduation and College Enrollment App retrieved on March 17, 2022

Table A.4. Breakdown of Graduation Rate Components Reported by SDP by Student CTE Course Participation Level for 2018-19, 2019-20, and 2020-21 On-Time Graduating Cohorts (District Only)

<b>Four-Year Target Graduation Year (first-time ninth-grade cohort year)</b>	<b>2018-19 On-Time Graduating Cohort (2015-16 first-time ninth-grade cohort year)</b>	<b>2019-20 On-Time Graduating Cohort (2016-17 first-time ninth-grade cohort year)</b>	<b>2020-21 On-Time Graduating Cohort (2017-18 first-time ninth-grade cohort year)</b>
<b>Non-CTE Graduation Rate</b>	<b>79%</b>	<b>82%</b>	<b>80%</b>
Number of Graduates (Numerator)	4,738	5,037	4,925
Cohort Total (Denominator)	5,976	6,163	6,158
<b>Ever-CTE Graduation Rate</b>	<b>82%</b>	<b>86%</b>	<b>83%</b>
Number of Graduates (Numerator)	1,832	1,795	1,650
Cohort Total (Denominator)	2,238	2,098	1,987
<b>CTE Through 12<sup>th</sup> Grade Graduation Rate</b>	<b>95%</b>	<b>97%</b>	<b>93%</b>
Number of Graduates (Numerator)	1,373	1,339	1,363
Cohort Total (Denominator)	1,439	1,383	1,459

Source: Qlik Data App – Graduation and College Enrollment App retrieved on May 20, 2022

Table A.5. Breakdown of Graduation Rate Components Reported by SDP by Student Demographic for 2018-19 2019-20, and 2020-21 On-Time Graduating Cohorts (District only)

<b>Four-Year Target Graduation Year (first-time ninth-grade cohort year)</b>	<b>2018-19 On-Time Graduating Cohort (2015-16 first-time ninth-grade cohort year)</b>	<b>2019-20 On-Time Graduating Cohort (2016-17 first-time ninth-grade cohort year)</b>	<b>2020-21 On-Time Graduating Cohort (2017-18 first-time ninth-grade cohort year)</b>
<b>Female Student Graduation Rate</b>	<b>84%</b>	<b>86%</b>	<b>85%</b>
Number of Graduates (Numerator)	3,535	3,663	3,547
Cohort Total (Denominator)	4,216	4,266	4,159
<b>Male Student Graduation Rate</b>	<b>72%</b>	<b>75%</b>	<b>74%</b>
Number of Graduates (Numerator)	3,035	3,173	3,028
Cohort Total (Denominator)	4,219	4,253	4,106
<b>Economically Disadvantaged Student Graduation Rate</b>	<b>78%</b>	<b>80%</b>	<b>79%</b>
Number of Graduates (Numerator)	4,630	4,527	4,700
Cohort Total (Denominator)	5,935	5,690	5,920
<b>Non- Economically Disadvantaged Student Graduation Rate</b>	<b>78%</b>	<b>82%</b>	<b>80.1%</b>
Number of Graduates (Numerator)	1,940	2,309	1,875
Cohort Total (Denominator)	2,500	2,829	2,340
<b>EL Student Graduation Rate</b>	<b>71%</b>	<b>73%</b>	<b>71%</b>
Number of Graduates (Numerator)	814	915	787
Cohort Total (Denominator)	1,146	1,246	1,104
<b>Non-EL Student Graduation Rate</b>	<b>79%</b>	<b>81%</b>	<b>81%</b>
Number of Graduates (Numerator)	5,756	5,921	5,788
Cohort Total (Denominator)	7,289	7,273	7,156
<b>IEP Student Graduation Rate</b>	<b>66%</b>	<b>62%</b>	<b>62%</b>
Number of Graduates (Numerator)	1,134	841	844
Cohort Total (Denominator)	1,729	1,352	1,367
<b>Non-IEP Student Graduation Rate</b>	<b>81%</b>	<b>84%</b>	<b>83%</b>
Number of Graduates (Numerator)	5,436	5,995	5,731
Cohort Total (Denominator)	6,706	7,167	6,898



<b>Four-Year Target Graduation Year (first-time ninth-grade cohort year)</b>	<b>2018-19 On-Time Graduating Cohort (2015-16 first-time ninth-grade cohort year)</b>	<b>2019-20 On-Time Graduating Cohort (2016-17 first-time ninth-grade cohort year)</b>	<b>2020-21 On-Time Graduating Cohort (2017-18 first-time ninth-grade cohort year)</b>
<b>Asian Student Graduation Rate</b>	<b>90%</b>	<b>89%</b>	<b>92%</b>
Number of Graduates (Numerator)	895	900	883
Cohort Total (Denominator)	995	1,007	958
<b>African American/Black Student Graduation Rate</b>	<b>77%</b>	<b>81%</b>	<b>79%</b>
Number of Graduates (Numerator)	3,356	3,548	3,346
Cohort Total (Denominator)	4,374	4,404	4,216
<b>Hispanic/Latinx Student Graduation Rate</b>	<b>71%</b>	<b>73%</b>	<b>70%</b>
Number of Graduates (Numerator)	1,140	1,249	1,210
Cohort Total (Denominator)	1,609	1,723	1,718
<b>Multi Racial/Other Student Graduation Rate</b>	<b>86%</b>	<b>82%</b>	<b>77%</b>
Number of Graduates (Numerator)	316	186	219
Cohort Total (Denominator)	369	226	283
<b>White Student Graduation Rate</b>	<b>80%</b>	<b>83%</b>	<b>84%</b>
Number of Graduates (Numerator)	852	937	905
Cohort Total (Denominator)	1,072	1,136	1,072

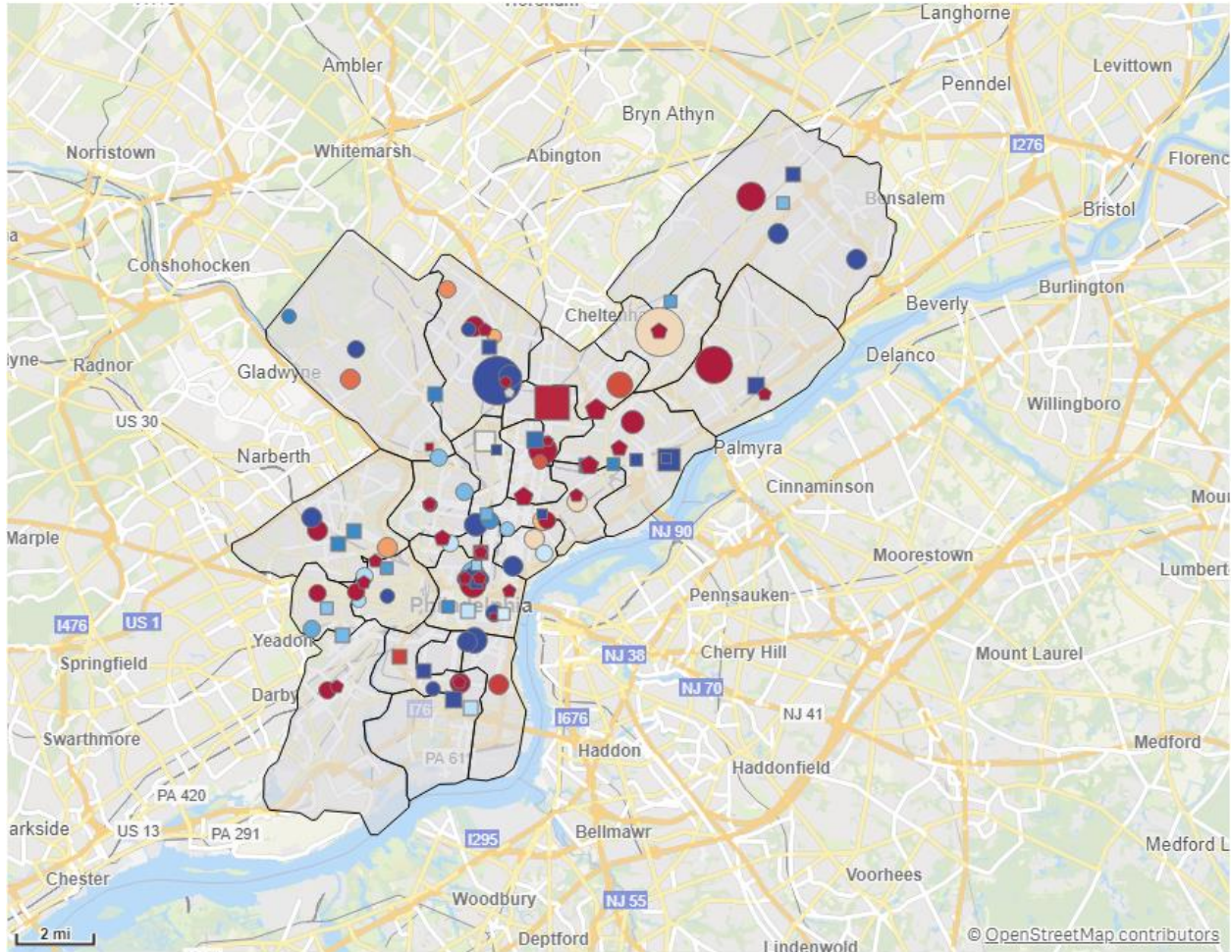
Source: Qlik Data App – Graduation and College Enrollment App retrieved on March 17, 2022

# Appendix B: 2020-21 Graduation Rates by School

Map B.1. Map of Four-Year Graduation Rates by School, 2020-21

## Four-Year Grad Rate

By School for 2020-2021 (2017-2018 Ninth-Grader Cohort) (● district; ● alternative; ■ charter)



Sized by number eligible

**Source:** Qlik Data App – Graduation and College Enrollment App; Graduation Map retrieved on March 17, 2022

**Note:** The colors on the map range from dark red to dark blue depending on the graduation rate of each school represented. Schools with graduation rates that fall within 0%-69% are marked with dark red. Schools with graduation rates that fall within 70%-75.6% are marked with solid orange. Schools with graduation rates that fall within 77.6%-79.5% are marked with light orange. Schools with graduation rates that fall within 80%-84.9% are marked with light blue. Schools with graduation rates that fall within 85.9%-91.9% are marked with solid blue. Schools with graduation rates that fall within 93.1%-100% are marked with dark blue. An interactive map showing graduation rates by school is available here: <https://dashboards.philasd.org/extensions/college-and-career-public/index.html#/grad>.

Table B.1. List of Schools in Map B.1, with Graduation Rates for 2020-21 On-Time Graduating Cohort

<b>2020-21 Learning Network</b>	<b>School Name</b>	<b># Students in 2020-21 On-Time Graduating Cohort</b>	<b>Four-Year Graduation Rate</b>
Network 1	Constitution High School	105	100.0%
Network 1	Parkway Center City Middle College High School	94	100.0%
Innovation	Science Leadership Academy	122	100.0%
Network 1	Central High School	609	99.7%
Network 1	Arts Academy at Benjamin Rush	160	99.4%
Network 1	Academy at Palumbo	252	98.8%
Network 1	Bodine, William W. High School	126	98.4%
Network 1	Masterman, Julia R. High School	115	98.3%
Network 1	Girard Academic Music Program	57	98.2%
Network 1	Creative and Performing Arts	167	97.6%
Charters	Math, Civics and Sciences	79	97.5%
Charters	Sankofa Freedom Academy	40	97.5%
Charters	Franklin Towne Charter School	272	97.4%
Network 1	Saul, Walter B. High School	115	97.4%
Network 4	Parkway-Northwest High School	60	96.7%
Charters	New Foundations Charter School	179	96.6%
Network 13	Swenson Arts/Tech High School	146	96.6%
Network 1	Engineering & Science High	197	96.4%
Charters	Math, Science and Technology	108	96.3%
Charters	Phila Performing Arts: A String Theory	157	96.2%
Charters	Multicultural Academy	51	96.1%
Innovation	Science Leadership Academy at Beeber	128	96.1%
Charters	First Phila Prep	97	95.9%
Charters	Preparatory Charter School	121	95.9%
Network 1	Robeson, Paul High School	72	95.8%
Network 1	Girls, Phila High School for	196	95.4%
Charters	Maritime Academy Charter	59	94.9%
Charters	Imhotep Charter School	135	94.8%
Charters	Esperanza Academy Charter School	188	93.1%
Charters	Community Academy of Philadelphia	142	93.0%
Charters	Mastery Charter at Pickett	113	92.0%
Network 1	Lankenau High School	62	91.9%
Charters	Mastery Charter at Shoemaker	121	91.7%
Charters	Bracetti, Mariana Academy	95	91.6%
Charters	Freire Charter School	104	91.3%
Charters	KIPP DuBois Charter School	136	91.2%
Innovation	Philadelphia Military Academy	79	91.1%
Charters	Belmont Elementary Charter	79	89.9%
Charters	Tacony Academy Charter School	76	89.5%

<b>2020-21 Learning Network</b>	<b>School Name</b>	<b># Students in 2020-21 On-Time Graduating Cohort</b>	<b>Four-Year Graduation Rate</b>
Network 1	Motivation High School	81	88.9%
Charters	TECH Freire Charter School	103	88.3%
Network 13	Dobbins, Murrell High School	98	87.8%
Charters	Mastery Charter at Hardy Williams	115	87.8%
Charters	Philadelphia Academy	98	87.8%
Network 1	Franklin Learning Center	194	87.6%
Network 13	Randolph Technical High School	78	87.2%
Charters	Boys Latin of Phila Charter	91	86.8%
Innovation	The U School	51	86.3%
Charters	People for People	28	85.7%
Innovation	The Workshop School	53	84.9%
Network 13	Parkway West High School	78	84.6%
Charters	Mastery Charter at Thomas	112	83.9%
Charters	Phila Electrical & Technology	139	83.5%
Innovation	Vaux High School	103	83.5%
Innovation	Penn Treaty High School	82	82.9%
Charters	Mastery Charter at Lenfest	84	82.1%
Charters	Mastery Charter at Gratz	250	80.4%
Network 4	Mastbaum, Jules E. High School	135	79.3%
Network 4	Kensington CAPA	130	79.2%
Network 1	Northeast High School	782	79.2%
Network 4	Kensington Health Sciences	129	77.5%
Innovation	Building 21	73	76.7%
Innovation	High School of the Future	123	75.6%
Network 1	Hill-Freedman World Academy	93	74.2%
Network 4	Roxborough High School	161	72.7%
Innovation	The LINC	49	71.4%
Network 13	Fels, Samuel High School	239	70.7%
Charters	Universal Charter Audenried	143	69.9%
Network 13	Furness, Horace High School	164	69.5%
Charters	Aspira Olney Charter High	549	67.9%
Network 13	West Philadelphia High School	97	67.0%
Network 13	Bartram, John High School	120	66.7%
Network 13	Overbrook High School	135	66.7%
Network 4	Kensington High School	111	64.9%
Network 4	Lincoln, Abraham High School	444	64.9%
Network 4	Washington, George High School	309	63.8%
Network 13	Sayre, William L. High School	105	61.0%
Network 4	Strawberry Mansion High School	51	60.8%
Network 13	South Philadelphia H.S.	150	60.7%
Network 4	Franklin, Benjamin High School	79	59.5%

2020-21 Learning Network	School Name	# Students in 2020-21 On-Time Graduating Cohort	Four-Year Graduation Rate
Network 4	Frankford High School	213	58.7%
Network 4	King, Martin Luther High Sch.	160	55.6%
Network 13	Edison, Thomas A. High School	296	51.0%
Opportunity	Camelot Academy East	4	50.0%
Opportunity	One Bright Ray Mansion Evening	39	48.7%
Innovation	Philadelphia Virtual Academy	226	42.9%
Charters	Youthbuild Phila. Charter	125	39.2%
Opportunity	Gateway to College Community College of Philadelphia	41	39.0%
Opportunity	Liguori Academy-Fortis	52	32.7%
Closed	Philadelphia OIC Workforce Academy	39	30.8%
Opportunity	Excel Academy South	199	30.7%
Innovation	Phila Learning Academy North	23	30.4%
Opportunity	OIC CADI	75	28.0%
Opportunity	South Philadelphia HS - EOP	64	25.0%
Opportunity	One Bright Ray - Elmwood Campus	78	23.1%
Opportunity	El Centro (Big Picture)	108	21.3%
Opportunity	Camelot Academy	5	20.0%
Opportunity	Excel Academy North	90	20.0%
Opportunity	Ombudsman Accelerated Northwest	30	20.0%
Opportunity	One Bright Ray - Simpson	162	19.8%
Opportunity	One Bright Ray - Fairhill	147	19.7%
Innovation	Pennypack House School	30	16.7%
Opportunity	YESPhilly	60	16.7%
Opportunity	One Bright Ray Mansion	63	15.9%
Opportunity	Ben Franklin High School EOP	62	14.5%
Innovation	Phila Learning Academy South	32	12.5%
Innovation	Phila Juvenile Justice Services Center	72	4.2%
Opportunity	Northeast High School EOP	81	2.5%
Closed (2019-20)	Architecture & Design Charter	11	0.0%
Innovation	Crossroads Accelerated Academy	1	0.0%
Closed (2018-19)	Eastern University Academy	6	0.0%
Closed (2017-18)	PLA North Hunting Park EOP	1	0.0%
Network 1	Widener Memorial School	11	0.0%

**Source:** Qlik Data App – Graduation and College Enrollment App; Graduation Map retrieved on March 17, 2022

**Note:** This table includes schools who closed prior to 2020-21, for students in the 2017-18 ninth grade cohort who had enrolled in these schools but never transferred and continued their education in other schools when these schools closed.