



Student End of Year Internal Flag Calculation: Anticipated Year of Graduation (AYG)

Overview

Anticipated Year of Graduation (AYG) is used to determine graduation cohort groups for calculating on-time graduation and completion rates. The four-year on-time graduation rate measures the percentage of students who graduate high school in four years or less after entering ninth grade. Thus, when a student initially enters the ninth grade in Colorado (as reported in Student End of Year), an anticipated year of graduation is assigned four years later. Students who enter a Colorado public school for the first time after their ninth-grade year are assigned an AYG based upon their entry grade level.

AYG Assignment

A student's Anticipated Year of Graduation (AYG) is automatically assigned during the Student End of Year data collection process. Once a student is assigned an AYG, they remain in that AYG throughout their high school career even if they experience a grade reassignment or retention. This automated process works through the following questions:

1. Does the student already have an AYG cohort assigned from a prior reporting year?
 - If so, fill in the AYG cohort information for this student based upon this information.
 - **Note:** This includes students with an AYG cohort assignment from any Colorado district, not just the district the student currently attends.
2. Should the student remain without an AYG assignment for this year?
 - Preschool through 8th grade students without an AYG assignment should not be assigned an AYG during the current school year.
3. Should the student be assigned an AYG cohort this year?
 - If the student is in 9th grade or above as of October 1st of the current school year, an AYG will be assigned to those who do not already have an AYG cohort assignment.
 - **Note:** AYG cohorts are represented by the year of the Spring semester of the anticipated school year of graduation. So, an AYG of 2022 means the student is anticipated to graduate in the 2021-2022 school year.

Grade Level	AYG Calculation	Example (Current Year 2021-2022)
9 th	Current year + 3	AYG 2025
10 th	Current year + 2	AYG 2024
11 th	Current Year + 1	AYG 2023
12 th	Current Year	AYG 2022

Additional Resources

Please see these sites for more information.

[Student End of Year Snapshot](#)
[Student Interchange](#)
[Graduation Statistics](#)



AYG Reconciliation

If a student is reported in multiple school districts in the current year and is entering 9th grade or above for the first time in the current year, an AYG reconciliation may take place once all districts have submitted their data. The final value determined in this process is based upon the student's highest reported grade on or after October 1st.

Example:

District A reports student in 10th grade with an exit date on/after October 1st

District B reports student in 9th grade with an exit date on/after October 1st

In this example, the student's AYG will be set based upon the District A's reported grade level of 10th grade, setting the AYG to current year + 2.

Student End of Year Internal Flag Technical Information

Internal Flag Data Fields

- STARTING_YEAR_FOR_GRAD_COHORT – The school year that the student was placed into an AYG graduation cohort.
- STARTING_GRADE_FOR_GRAD_COHORT – The grade attended when the student was placed into a graduation cohort.
- ANTICIPATED_YEAR_OF_GRADUATION – The school year the student is anticipated to graduate in, also known as the student's AYG graduation cohort.
- STARTING_DIST_FOR_GRAD_COHORT – The district attended when the student was placed into a graduation cohort.

Note: School Years are represented by the Spring semester only. For example, a student with an AYG of 2023 is expected to graduate in the Spring of the 2022-2023 school year. A student whose starting year for the graduation cohort is 2020 is a student who was in 9th grade during the 2019-2020 school year.

AYG Assignment Logic

AYG Cohort assigned in a prior year: If a student was assigned an AYG in a prior school year from any district, they will remain in that same AYG throughout their remaining high school career. When a snapshot is created the data pipeline system will internally look for a prior AYG assignment for the given SASID from the historical Student End of Year data. If an AYG is found for the given SASID, the data fields listed above will be brought into the current year snapshot.

Assign to a Cohort: If no prior AYG data was found for the given SASID, the system will then check if an AYG should be assigned using the following criteria.

- Student is in 9th grade or above and doesn't already have an assigned AYG
- School code is not from a detention center (9801-8009)
- Student's exit date is 00000000 or is on/after October 1st of the current year
 - Exit date is ignored if the student has an exit type code of 01, 18, 19, 20, 21, 26, 30, 40, 50, or 70.
 - See the Student School Association file layout on the [Student Interchange webpage](#) for descriptions of exit codes.



Students who meet the above criteria will have their AYG set along with the supporting data fields. Please note that the record with the earliest exit date on or after October 1st will be used to set a student’s AYG Cohort.

- STARTING_YEAR_FOR_GRAD_COHORT = set to currently reported year
- STARTING_GRADE_FOR_GRAD_COHORT = set to currently reported grade.
- STARTING_DIST_FOR_GRAD_COHORT = set to the currently reporting district.
 - Mismatches between districts are reconciled during the Post Cross LEA phase of the SEY collection.
- ANTICIPATED_YEAR_OF_GRADUATION = set based upon the following calculation

Grade Level	AYG Calculation
9 th	Current year + 3
10 th	Current year + 2
11 th	Current Year + 1
12 th	Current Year

Not Yet in a Cohort: Students without a prior AYG assignment who are below 9th grade or have an exit date prior to October 1st (excluding those with exit type codes of 01, 18, 19, 20, 21, 26, 30, 40, 50, or 70) will not have an AYG set at this time. Their AYG data field and supporting data fields will be set to the following pattern.

- STARTING_YEAR_FOR_GRAD_COHORT = 0000
- STARTING_GRADE_FOR_GRAD_COHORT = 000
- ANTICIPATED_YEAR_OF_GRADUATION = 0000
- STARTING_DIST_FOR_GRAD_COHORT = 0000