MiPHY Cohort Study

Eaton County Substance Awareness Advisory Group

Barry-Eaton District Health Department
Be Active • Be Safe • Be Healthy

Presented By:
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Methods

Data Source: Michigan Profile for Healthy Youth (MiPHY) Survey, Eaton County, MI

Suppression: Survey results with <5 respondents will be suppressed

Graduating Class of: 2021, 2023, 2025, 2027

Survey Periods included: 2015-2016, 2017-2018, 2019-2020, 2021-2022, 2023-2024, 2025-2026

Interpretation Considerations: These findings represent descriptive trends and should not be interpreted as evidence of causation or that one factor directly influences another.

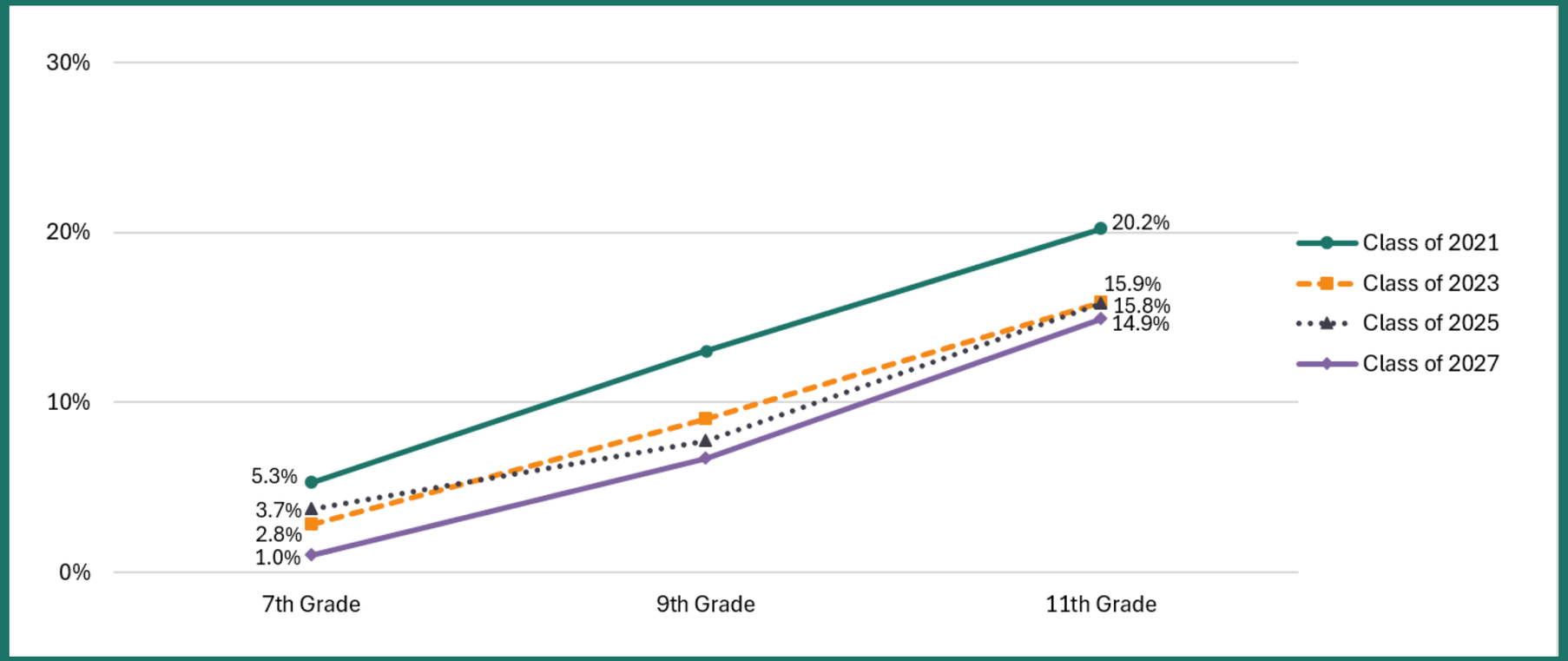
Limitations:

- MiPHY is a repeated cross-sectional survey. This analysis follows graduating classes across grades, not the same individual students.
- Findings are based on student-reported behaviors and perceptions and may be subject to recall or social desirability bias.
- Findings illustrate trends and differences across cohorts but do not establish causation or demonstrate that one factor directly influences another.



Alcohol

Alcohol Use, Past 30 Days



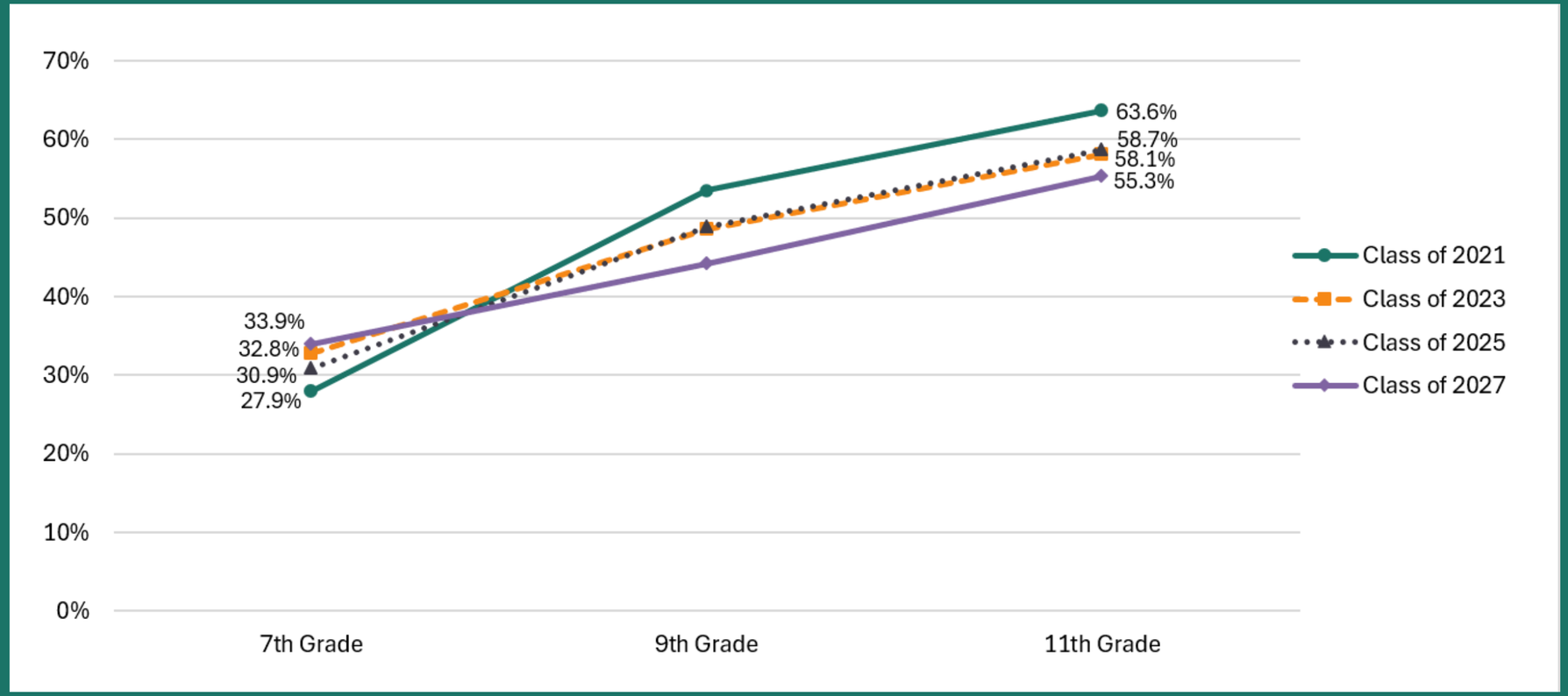
Alcohol use **increases** most between 9th and 11th grade, with an average increase of 7.6 percentage points across the four cohorts.

Alcohol use among both 9th and 11th graders has **declined** with each graduating class since 2021.

Among 11th graders, reported alcohol use **decreased** from 20.2% in the Class of 2021 to 14.9% in the Class of 2027.

Alcohol

Students Reporting Sort of Easy or Very Easy to Get Alcohol



Despite this decline, more than 1 in 2 students in the Class of 2027 still report that alcohol is **easy or very easy to obtain**.

Perceived access to alcohol **increases** the most between 7th and 9th grade, with an average increase of 17.4 percentage points across the four cohorts.

Perceived alcohol accessibility among 11th graders has **declined** from 63.6% in the Class of 2021 to 55.3% in the Class of 2027.

Alcohol

Parental Disapproval of Alcohol Use
(1-2 Drinks Every Day to be Wrong)

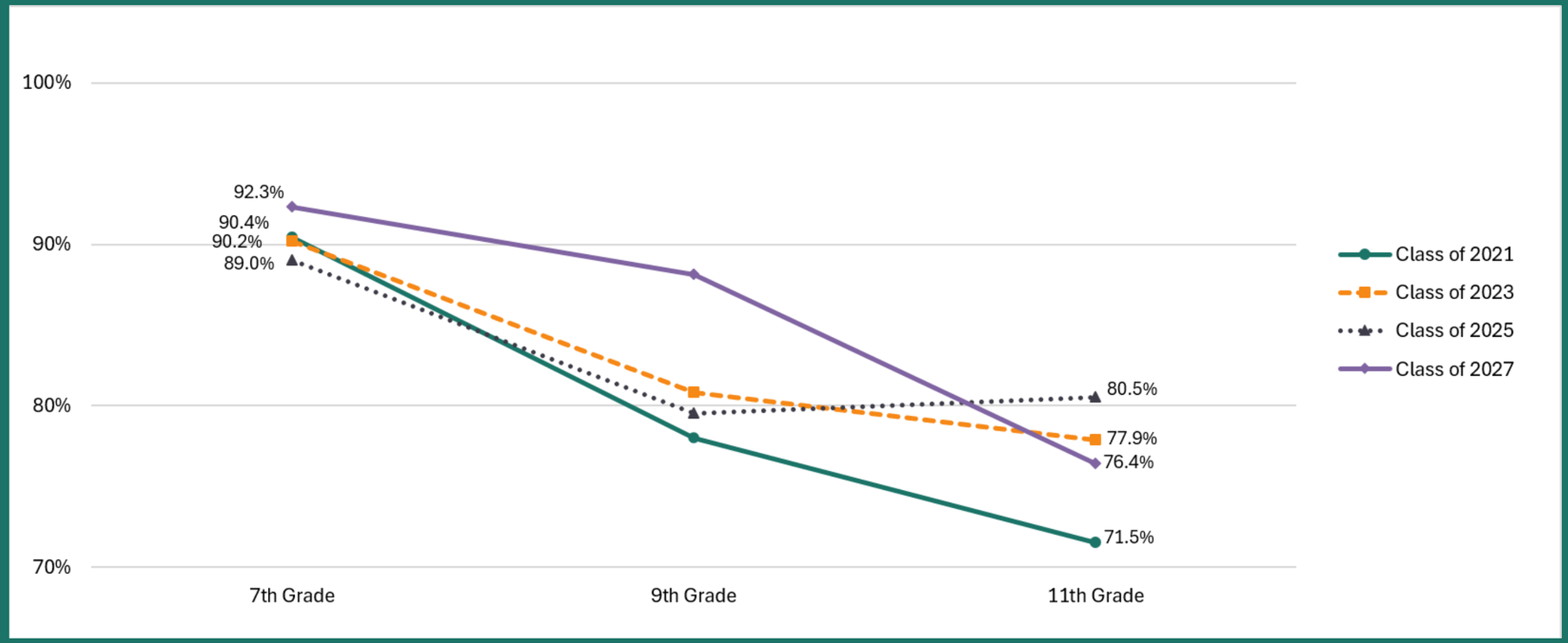


While most cohorts saw a decline in parental disapproval between 7th and 9th grade (1.2–3.2 percentage points), the Class of 2027 saw a slight 0.2 percentage-point increase, which was not statistically significant.

Parental disapproval of regular alcohol use (1–2 drinks daily) generally **decreases** as students progress from 7th to 11th grade. The largest decline typically occurs between 7th and 9th grade, averaging 1.8 percentage points across the four cohorts.

Alcohol

Students Reporting their Friends Feel Having 1 or 2 Drinks of Alcohol Nearly Every Day to be Wrong or Very Wrong

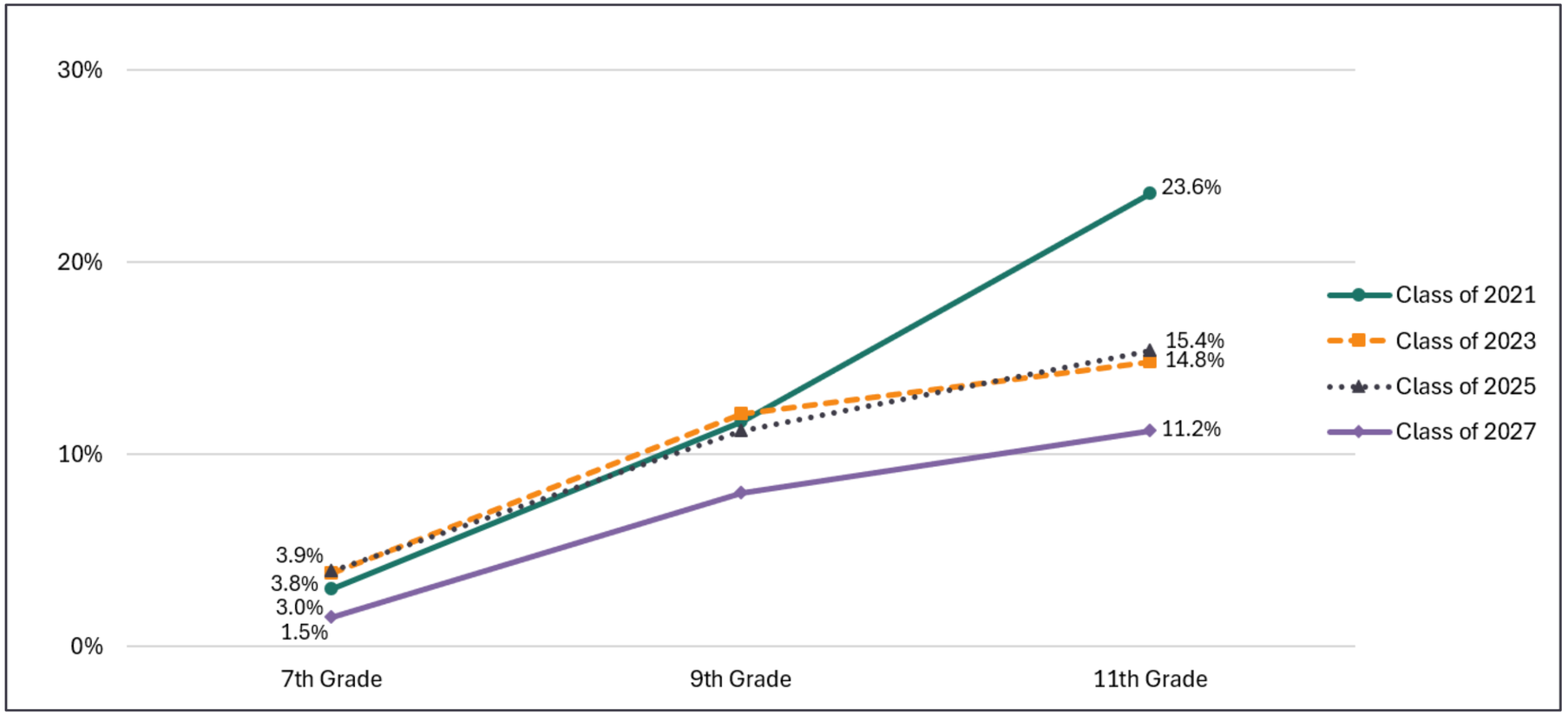


The largest decline typically occurs between 7th and 9th grade (4.2–12.4 percentage points), with one exception: the Class of 2027 saw its largest decline between 9th and 11th grade (11.7 percentage points).

Perceived peer disapproval of regular alcohol use (1–2 drinks daily) **decreases** as students progress from 7th to 11th grade across every cohort.

Marijuana

Marijuana Use, Past 30 Days



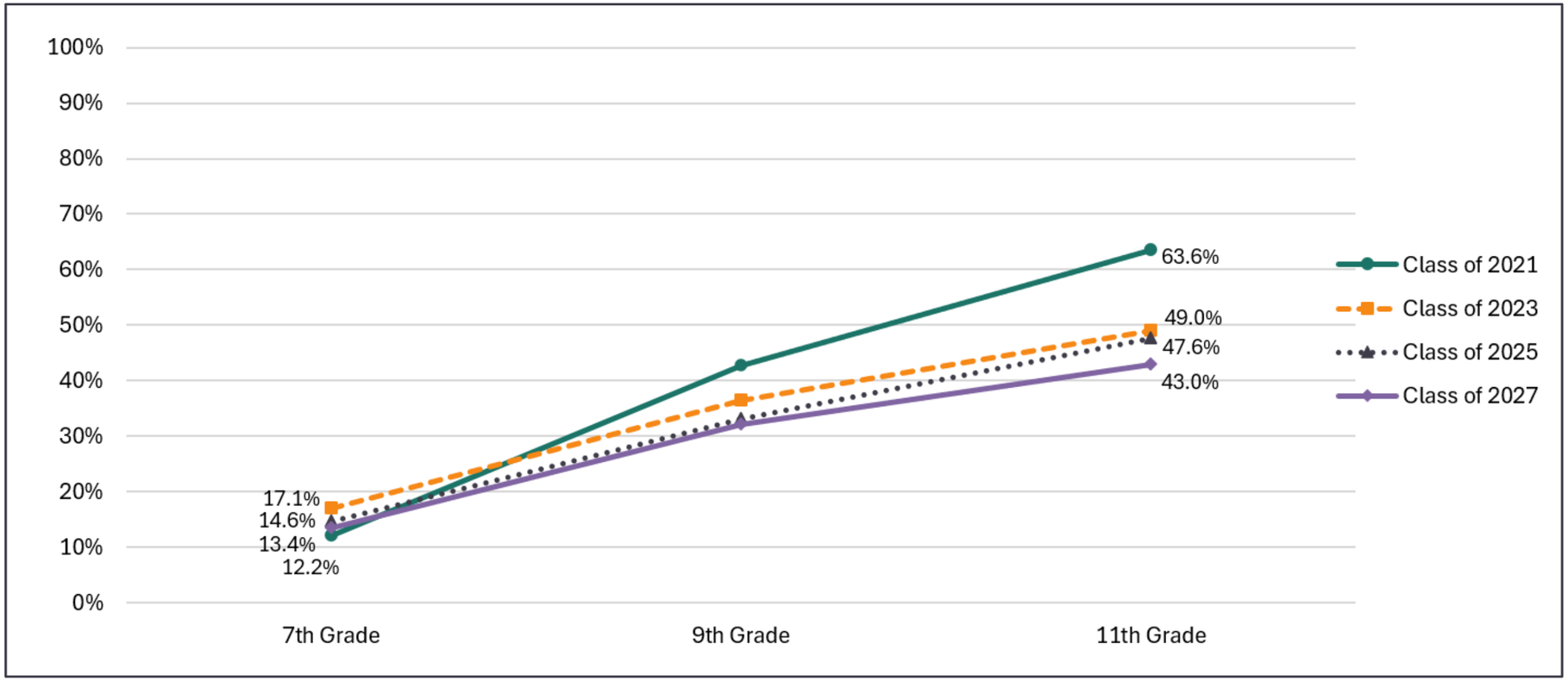
The Class of 2027 reported the **lowest** past-30-day marijuana use across all three grade levels compared to the three previous cohorts.

Among 11th graders, reported marijuana use **declined** from 23.6% in the Class of 2021 to 11.2% in the Class of 2027.

Marijuana use generally **increases** most between 7th and 9th grade (with the exception of the Class of 2021), averaging a 7.7-percentage-point increase across the four cohorts.

Marijuana

Students Reporting Sort of Easy or Very Easy to Get Marijuana



The Class of 2027 reported the **lowest perceived ease of access** among the four cohorts for both 9th and 11th grade.

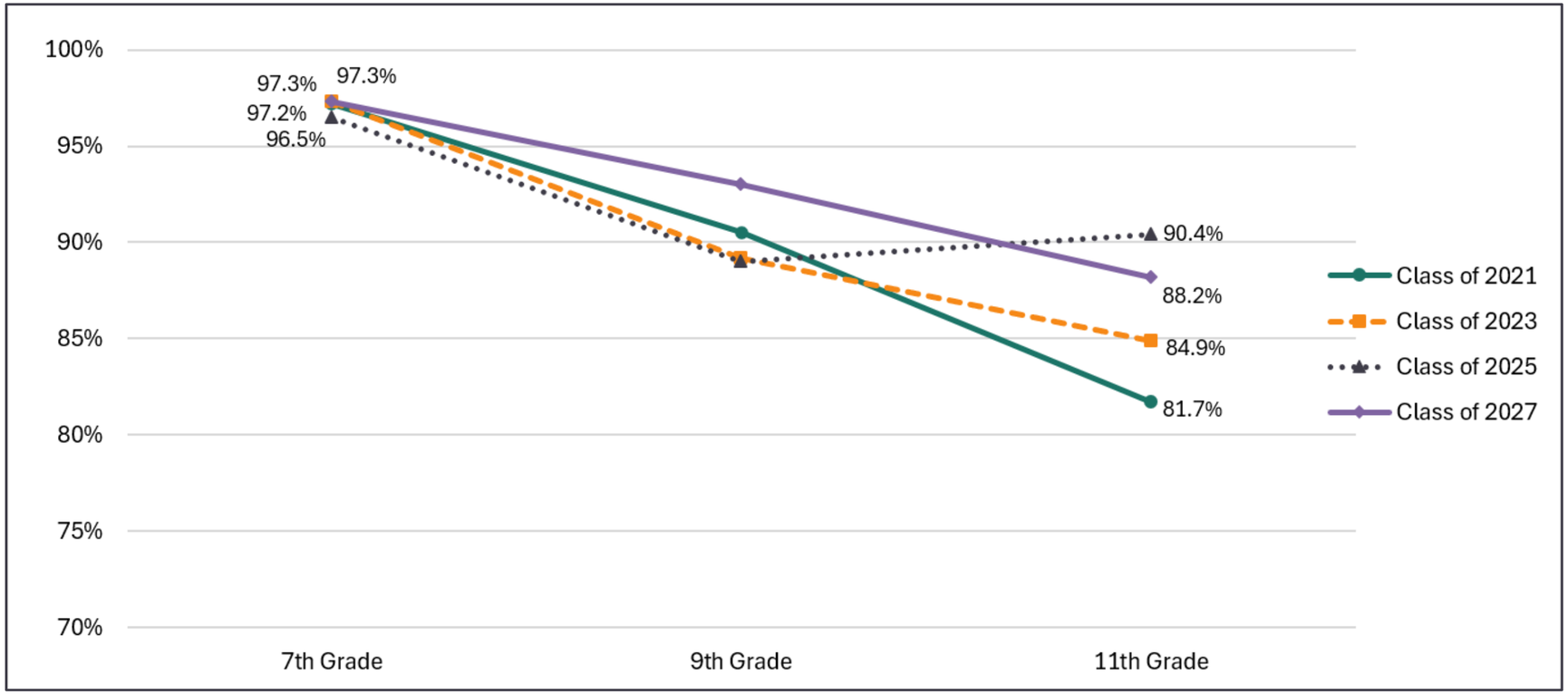
Perceived access to marijuana **increases** across every cohort as students progress from 7th to 11th grade.

The **largest increase** occurs between 7th and 9th grade, averaging 21.8 percentage points across cohorts.

Marijuana

Parental Disapproval of Marijuana Use

(Smoking Marijuana to be Wrong or Very Wrong)

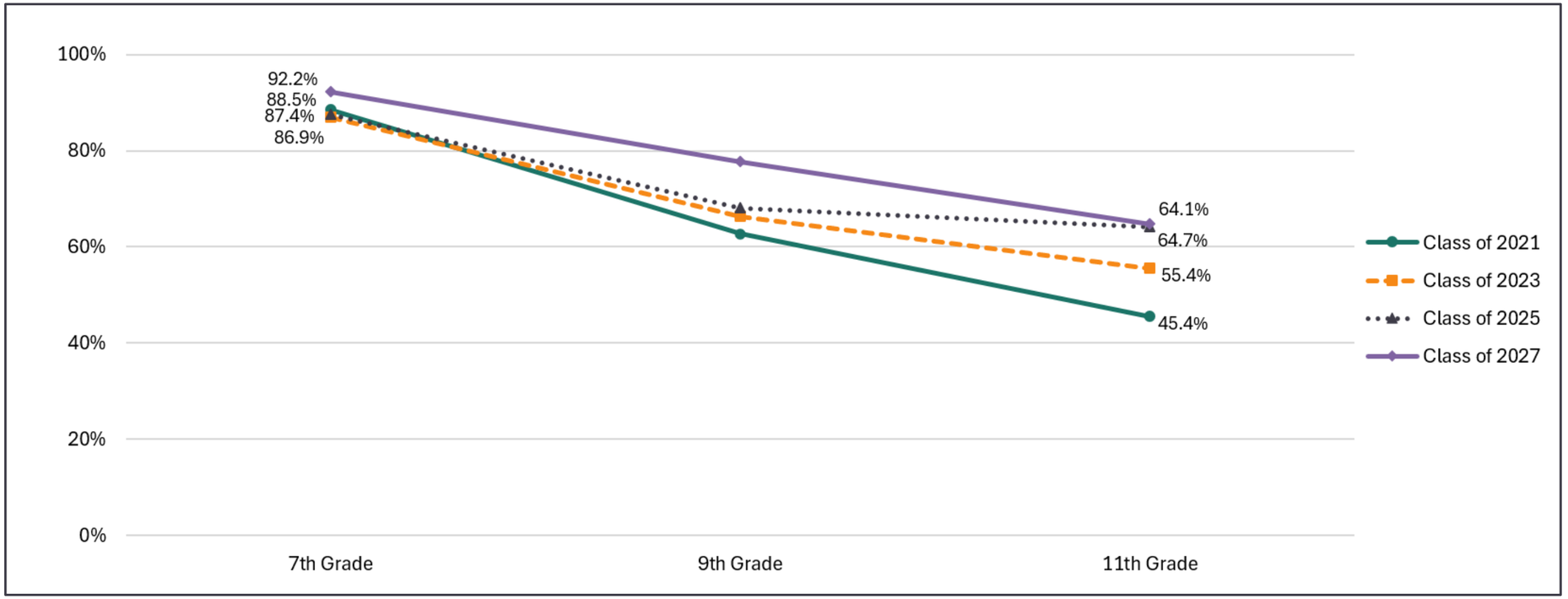


The largest decline varies by cohort and grade transition. For the Class of 2027, the **greatest decrease** occurred between 9th and 11th grade, dropping 4.8 percentage points.

Perceived parental disapproval of marijuana use **decreases** across every cohort as students progress from 7th to 11th grade.

Marijuana

Students Reporting their Friends Feel Smoking Marijuana to be Wrong or Very Wrong



The largest decline in peer disapproval occurs between 7th and 9th grade, averaging 20.1 percentage points across the four cohorts.

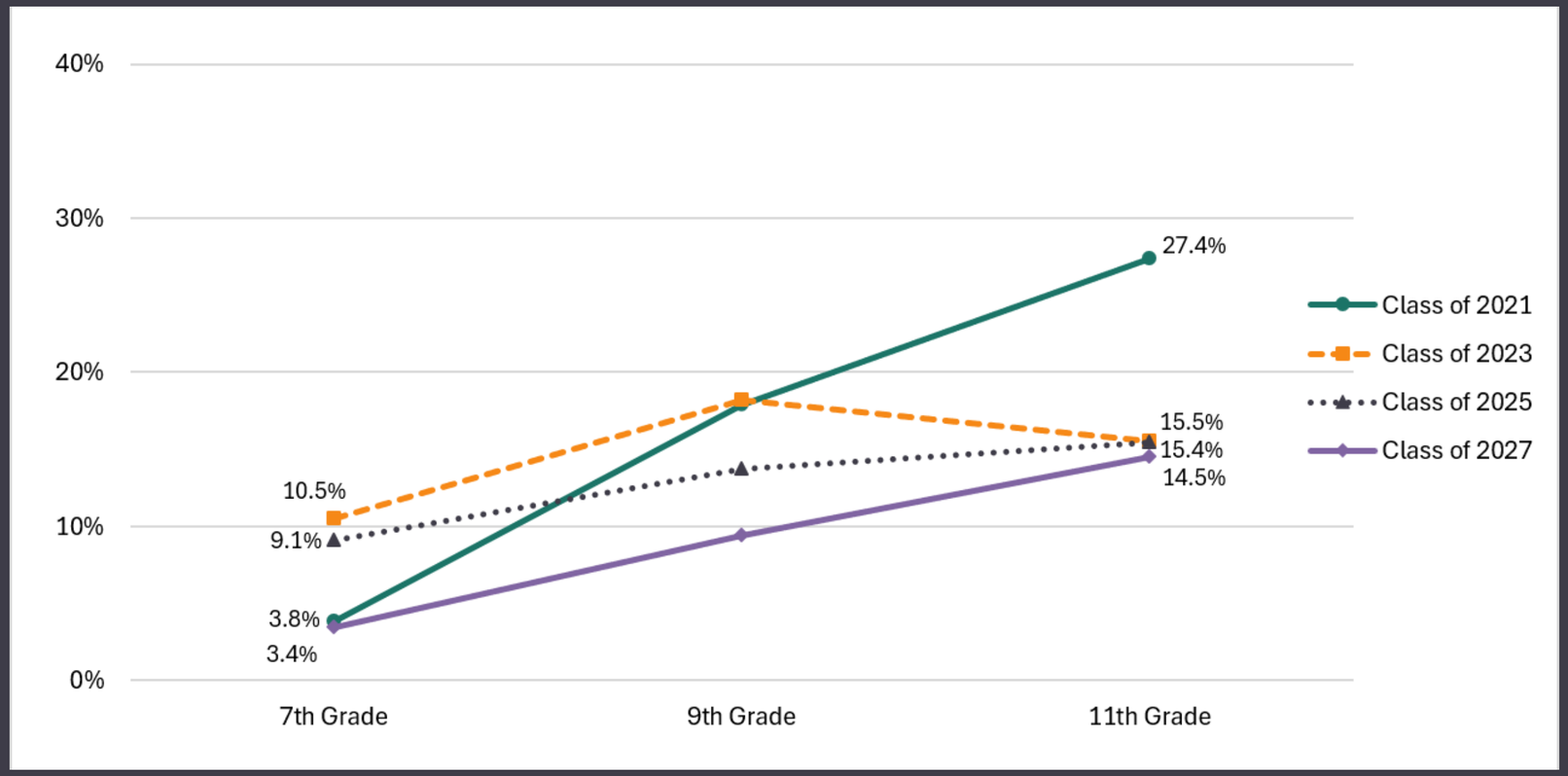
This is also the same grade transition where student-reported marijuana use **increases** the most.

Perceived peer disapproval of marijuana use **decreases** across every cohort as students progress from 7th to 11th grade.

The Class of 2027 reported the **highest levels of peer disapproval** across all three grade levels compared to the previous three cohorts.

E-Vapor Product

E-Vapor Use, Past 30 Days



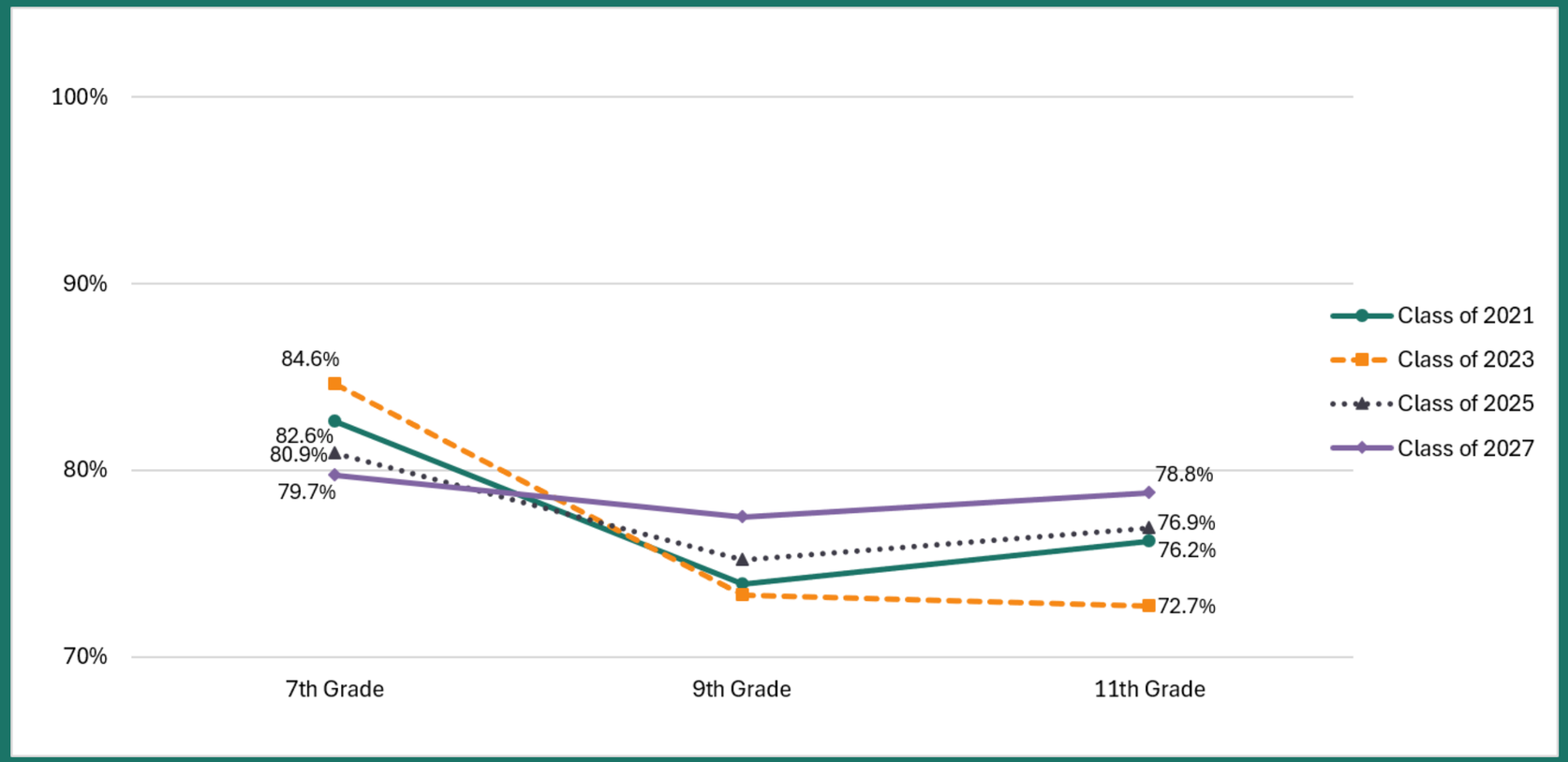
Among 11th graders, reported e-vapor use **declined** from 27.4% in the Class of 2021 to 14.5% in the Class of 2027, the lowest level across the four cohorts reviewed.

E-vapor use **increases** across every cohort as students progress from 7th to 11th grade.

The largest **increase** typically occurs between 7th and 9th grade, averaging 8.1 percentage points across the four cohorts.

Family Connectedness

Percentage of Students Who Could Ask Their Mom or Dad for Help With Personal Problems

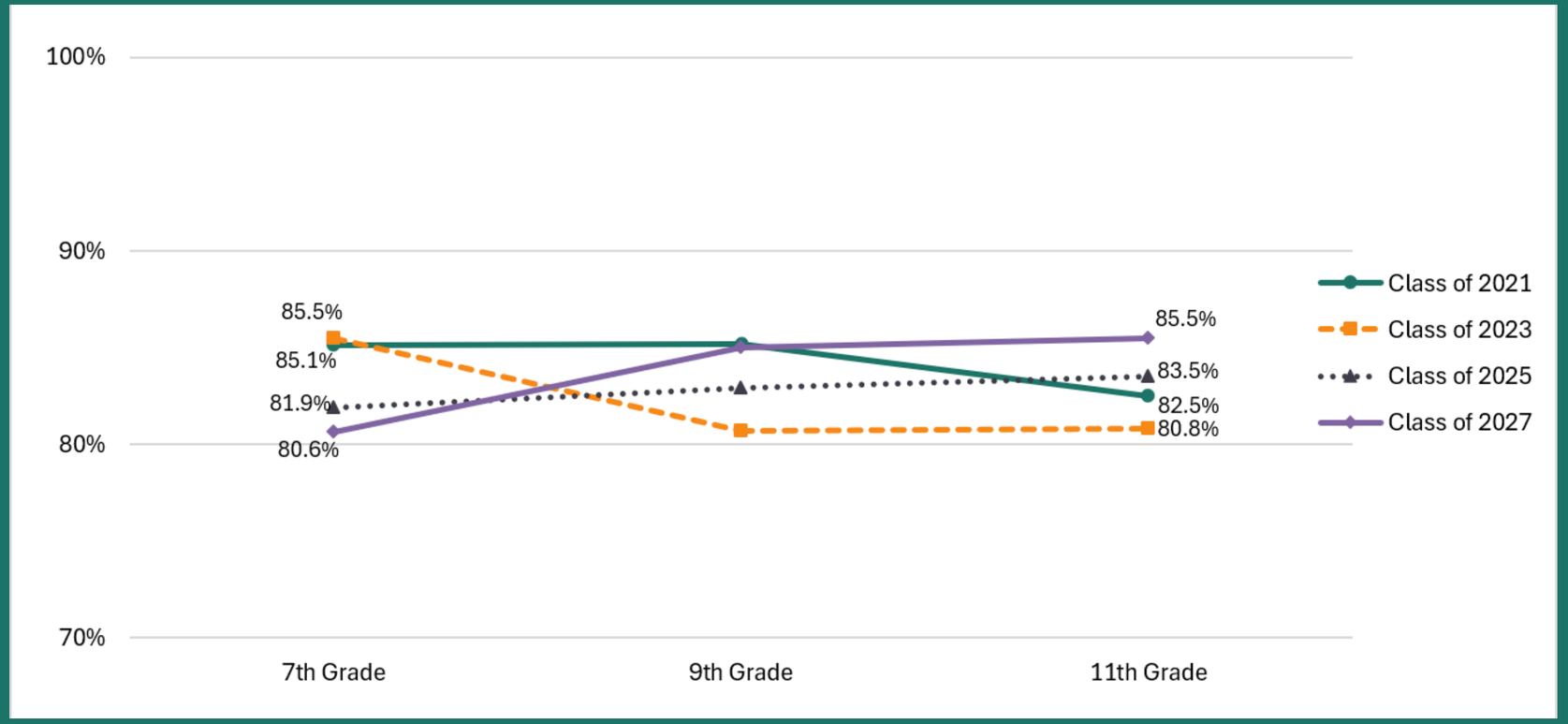


The Class of 2027 had the smallest decline in family connectedness from 7th to 11th grade (0.9 percentage points), compared with declines of 4.0 to 11.9 percentage points in earlier cohorts.

The Class of 2027 reported the **lowest** family connectedness in 7th grade (79.7%) compared to previous cohorts, but the highest in 11th grade (78.8%).

Social Connectedness

Percentage of Students Who Have at Least One Best Friend Who Participated in Clubs, Organizations, or Activities at School During the Past Year



This mirrors the trend seen in family connectedness, where the Class of 2027 reported the lowest levels among all three cohorts in 7th grade but the highest levels by 11th grade.

The Class of 2027 reported the lowest school connectedness in 7th grade (80.6%) compared to previous cohorts, but the highest in 11th grade (85.5%).

Considering the Impact of COVID-19

Graduating Cohort	7th Grade	8th Grade	9th Grade	10th Grade	11th Grade	12th Grade
Class of 2021	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021
Class of 2023	2017-2018	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023
Class of 2025	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	2024-2025
Class of 2027	2021-2022	2022-2023	2023-2024	2024-2025	2025-2026	2026-2027

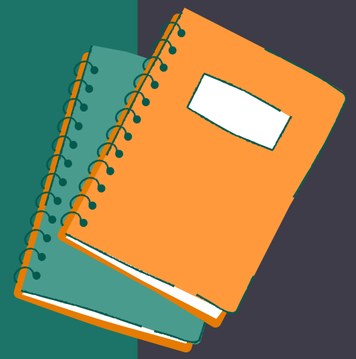
Note: The 2019–20 school year included initial school closures in spring 2020. The level of disruption varied across subsequent school years and districts.

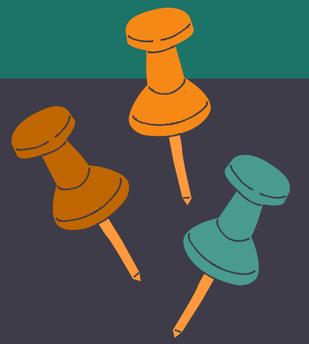
Gray: Pre-COVID school years
Orange: COVID disruption (2019–20 and 2020–21)
Light yellow: Recovery/transition period (2021–22)
Green: Post-disruption school years

- The Class of 2023 started with some of the highest reported family and school connectedness in 7th grade but reported some of the lowest levels by 11th grade.

- The Class of 2023 experienced COVID-19 disruptions during 9th grade and the transition back to in-person school during 10th and 11th grade.

- Subsequent cohorts have shown improving 11th-grade connectedness across both family and school measures.





Thank You!

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Data Source: [MiPHY Data]

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