Dashboard ideas:

* Percentage of students who attempted suicide (at top)
* Data from Nationwide BRFSS survey and x number of students took the survey
* List of top 5 variables that predicted suicide attempts
* Goal: show which demographics had highest suicide indicators
  + Bar or line graph with:
    - Hopeless, suicide\_consider, suicide\_plan, suicide\_attempt, suicide\_attempt\_injury
    - With demographics (race, sexual orientation) or interactive graph where you can choose gender and age
    - Or with any other factors that really correlate with suicide attempts
    - Maybe 3 of these graphs (suicide and race, suicide and sexual orientation, and suicide with gender/age together that’s filterable). Maybe some kind of bubble graph to show more demographics in one graph?
* Goal: show how many students experience these potential risk/protective factors:
  + Group the risk factor into exposed or not exposed and show the percentage or count of students who experienced those things (would have to make these variables) (could make risk factors red and protective factors blue, or make them all negative)
    - Any unsafe driving,
    - carrying weapons,
    - feeling unsafe,
    - fighting,
    - rape,
    - violence,
    - bullying,
    - hopelessness,
    - suicide consideration/plan,
    - suicide attempt,
    - tobacco use,
    - alcohol use,
    - marijuana use,
    - illegal drug use,
    - prescription drug abuse,
    - unsafe sex,
    - LGBTQ,
    - exercise\_frequency (enough exercise),
    - excess media use,
    - sports\_participation,
    - enough sleep,
    - good grades

\*\*\* Maybe we could include LGBTQ with gender to create a more full gender variable (male, female, lgbtq)

Overall goal: communicate suicide risk

* Do this by showing top risk factors, how many students have experienced those risk factors, and demographics of students who have attempted or were on the path (contemplating, making a plan, etc.) to attempting suicide
* A dashboard like this would be used to help prevent suicide attempts by figuring out which risk factors and demographics to target for suicide prevention programs



Attempted suicide bar chart with race and ethnicity (all the people who took the survey in each bar, with attempted suicide numbers on top half in different color

White Black. Asian. Native American etc.



Suicide variables with age and gender (interactive). Include LGBTQ into gender variable.

9th girl. 9th boy 10th girl 10th boy. 11th girl. 11th boy. 12th girl 12th boy.

Bar graph with risk factor prevalence (sort based on prevalence?)

unsafe driving

carrying weapons

feeling unsafe

fighting

rape

violence

bullying

hopelessness

suicide consideration/plan

suicide attempt

tobacco use

alcohol use

marijuana use

illegal drug use

prescription drug abuse

unsafe sex

LGBTQ

enough exercise

excess media use

sports\_participation

enough sleep

good grades

Data is from the nation-wide BRFSS survey. X number of students aged X-X provided health-related survey responses in 2019.

Top 5 suicide attempt predictive variables:

1. Top variable here
2. Second variable here
3. Third variable here
4. Fourth variable here
5. Fifth variable here

X% of students attempted suicide