SUBTITLE FOR VIS

The United State.

The United State’s population is 323.1 million people. The average life span of an American is 78.74 years. On average, there are approximately 4 millions people per age group.

If we only consider people from 12 to 21 years old, then the number of people in each of these age group is near the average, around 4 millions, give or take 200,000 people. 200,000 people is only negligible compared to 4 millions, amount to only 5%, so we can discard this variance and consider each of these group to have exactly 4 millions people.

Each stage of education often represents a stage of a person’s development. If we consider the educational level of the age group from 12 to 21, then we can split them up into three groups. middle school kids. High school students and college students.

If we sum the representative population of these age group together, then there are 12 millions kids from 12 to 14, 12 millions highschool students and 16 millions college students.

We will use figures to represent the population. Each figure represents 50k people.

Two of the most used substances in the US are alcohol and marijuana. For people from 12 -21 years old, both of these substances are illegal. We can use colors to represent these substances, with red representing alcohol and green representing marijuana.

On the media, we often see images of higschoolers using alcohol and marijuana. In reality, even middle school kids use these substances.

There are around 520,000 kids who use marijuana. The number of middle school kids who use alcohol is more than double those who use marijuana, around 1,200,000 kids.

The average middle school size in the US is 600, meaning the number of kids who drink alcohol amount to that of the students from 2000 schools.

If we break it down into age groups, we will see that more than half of middle school substance users are 14 years old 9th graders. However, even kids as young as 12 years old use them as well, with around 120k of them drinking alcohol and 40k of them using marijuana.

As these kids get older, more of them use alcohol and marijuana. The number of 15 years old user alone is more than the total sum of secondary school users.

This number continue to rise throughout highschool, summing to 2,600,000 highschool kids using marijuana. The number of highschool kids drinking alcohol follows the trend, almost double that of marijuana users, reaching 4,744,000 kids.

As these kids transition into college, the number of users continue to increase, and reach a shockingly high number. The number of college students drinking alcohol is 11,000,000 people. 7,7 millions among them are illegal users. The trend remains the same for college students, with 5,360,000 marijuana users, about half of alcohol users.

If we break it down into age groups, then we can see that the number of alcohol users during college increase every year, from 2,400,000 people at age 18 to 3 millions people at age 21. The frequency increases as well, from 24 times per year to 52 times per year for seniors, around 1 per week.

The number of marijuana users remain the same throughout college, about 1,300,000 users for every age group, much less than the number of alcohol users Yet, they use marijuana much more often, staying constantly at around 55 times per year, around 1 per week, regardless of age group.

What does all of these numbers mean? It means for every three college students, 2 of them drink alcohol, and one of them use marijuana.

If we apply this calculation to our class of 30 seniors, then 20 of us uses alcohol and 10 of us use marijuana.

If we count in the frequency, then today, there are 3 people among us who used or will use alcohol, and 1 to 2 of use who used or will use marijuana.