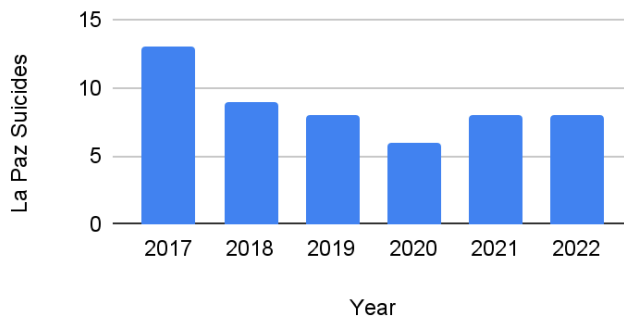


MoodClinics’ Effect on La Paz County Suicides (2017-2022)

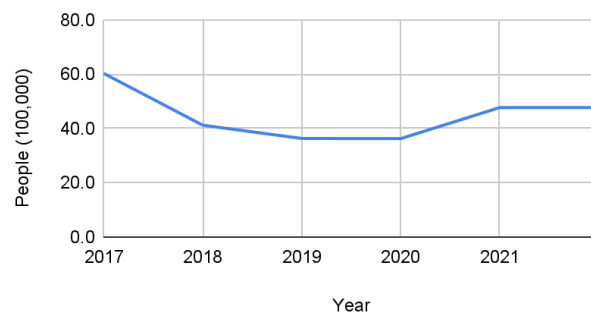
Year	La Paz Number of Suicides	La Paz Suicide Rate per 100,000	La Paz Population	Percent Change in La Paz Suicide Rate per 100,000
2017	13	60.2	21598	-
2018	9	41.1	21890	-31.69%
2019	8	36.2	22085	-11.90%
2020	6	36.2	16587	-0.14%
2021	8	47.6	16802	31.63%
2022	8	47.6	16805	-0.02%

Mood Clinics became active in La Paz County in 2017. At that point, suicides in La Paz were the highest they have been in the past 5 years. Within one year of Mood Clinics opening, there was a 31.69 percent decrease in suicides within the county. This trend of decreased suicides continued for the following two years, resulting in 53.85 percent fewer suicides in 2020 than when Mood Clinics became active in La Paz. Over the past 6 years, there has been a 20.93 percent decrease in suicides per 100,000 in La Paz County.

La Paz Suicides (2017-2022)

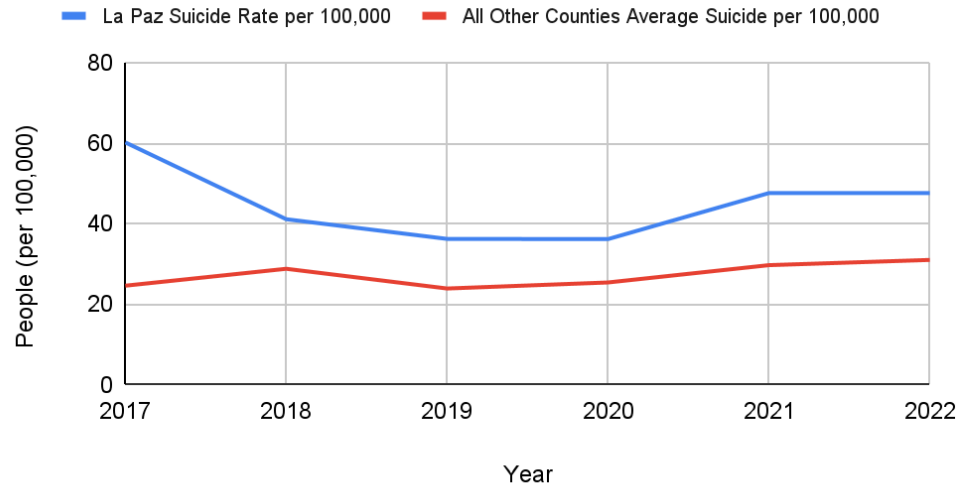


La Paz Suicide Rate per 100,000 (2017-2022)

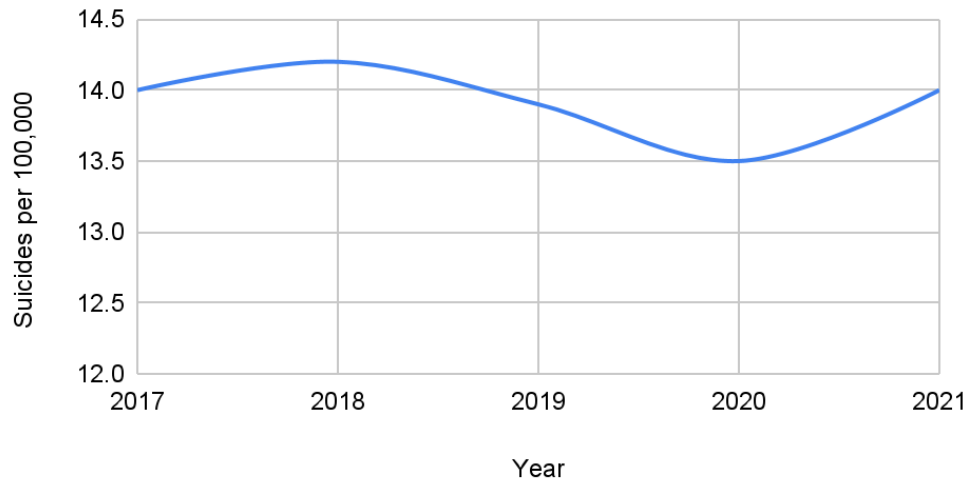


Following the new mental health challenges stemming from the 2020 Covid-19 Pandemic, La Paz saw an increase in suicides per 100,000 by 31.63 percent from the previous year in 2021. This upward trend in suicides following the pandemic positively correlates with the national and Arizona average suicide rates per 100,000 people. The following year, 2022, suicide rates remained stable at 47.6 people per hundred thousand, while other counties in arizona saw a rise in suicide rates by approximately 4.4 percent on average.

La Paz Vs All Other Counties Suicide Rate (2017-2022)



United States Suicide Rates (2017-2021)



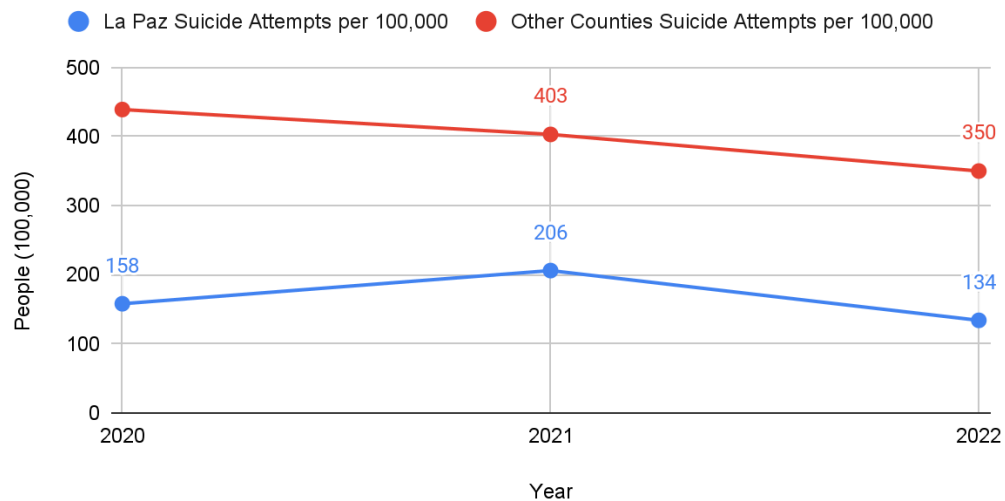
Looking at the above graphs, one can infer that MoodClinics has had a substantial impact on suicide in La Paz over the past 5 years. All other counties, on average, saw an increase in suicides over the past 5 years. The national suicide rate has fluctuated in a sinusoidal way, but has seen no net change. La Paz county has lowered its suicide rate considerably with a 21%

decrease in suicides over the past 5 years, despite the challenges brought on by the Covid-19 pandemic.

It is important to note that due to the low population of La Paz, the volume of suicides within the last 5 years, 8.7 people per year on average, is very low. It is difficult to evaluate what the actual effect of MoodClinics intervention has been due to so few data points. While it has dropped, La Paz still has a significantly larger suicide rate than the national or state average. It currently has a suicide mortality rate of 47.6 people per 100,000. That is 3.4 times larger than the national average of 14 people per 100,000 and 1.5 times larger than the state average of 32.1.

According to data from the past three years, La Paz has had the lowest suicide attempt rate of any county in Arizona. All 14 other counties have an average suicide attempt rate of 394 people per 100,000. La Paz has a suicide attempt rate of 167 people per 100,000

La Paz Suicide Attempts Compared to all Other Counties per 100,000 (2020-2022)



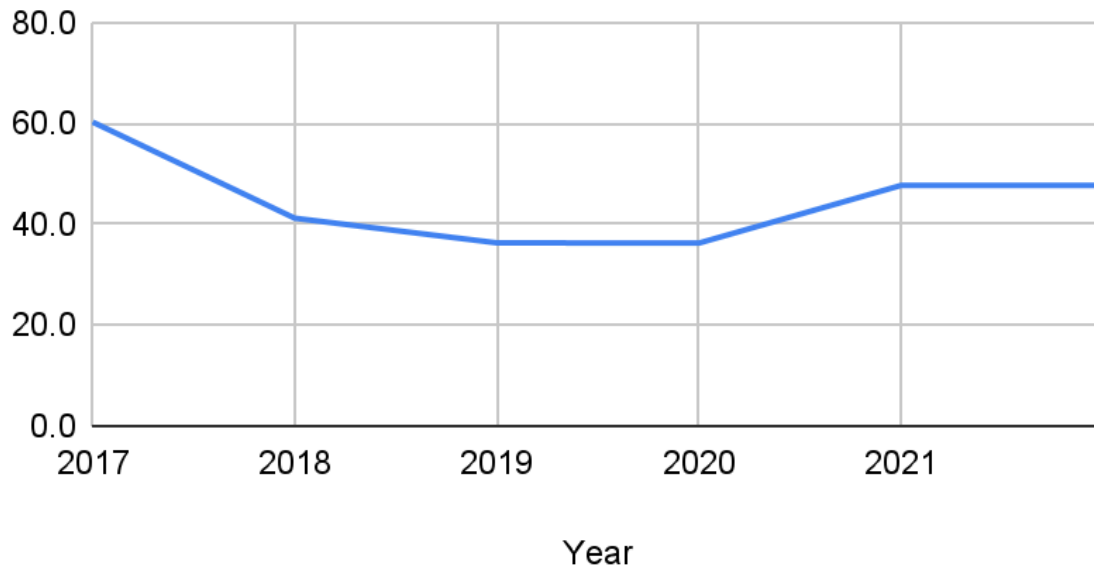
The suicide attempt rates are much lower In La Paz than in the rest of the state, yet the mortality is higher. This leads to the logical conclusion that people in La Paz are using more lethal self harm methods than people in other parts of the state.

Further Questions and Areas of Research

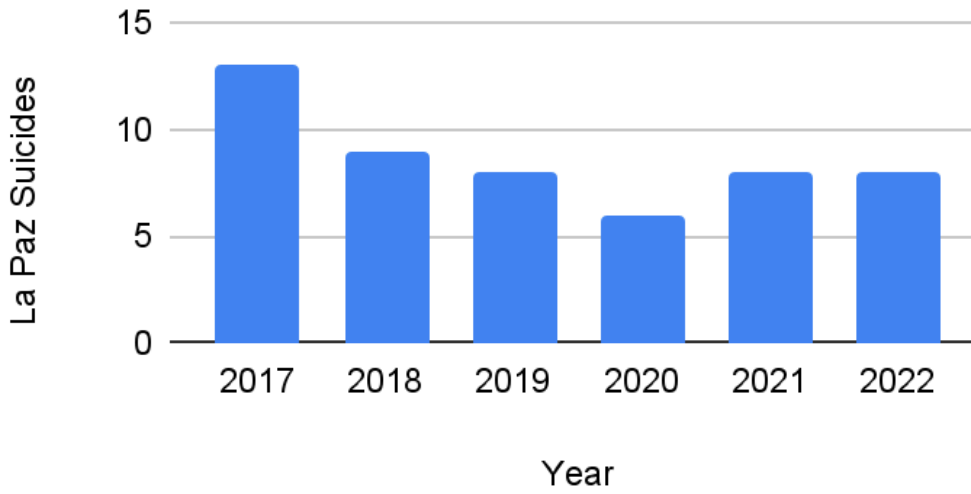
1. The large “Snow Bird” population of La Paz may have a considerable effect on the suicide rate per 100,000 of the county. Especially during and following the Covid-19 pandemic, travel restrictions, may have significantly affected both the population of the county and the suicide rate. More information concerning the Covid-19 pandemic’s effects on the county could be useful in determining how effective MoodClinics has been.
2. Information on the methods by which people within each county self-inflict injury could provide insight into the low suicide attempt rate, with high mortality in La Paz.
3. Of the suicide victims in La Paz, how many of them were seeking help for mental health issues, how many of them were patients of MoodClinics, and what medications were they on and for what duration?
4. The suicide attempt rate in La Paz is significantly lower than than the Rest of Arizona. What are the underlying causes of this, and can these low attempt rates be attributed to MoodClinics’ work?
5. How does the data from MoodClinics patients align with the county and state data? Are rates for MoodClinics patients lower for suicide attempts and fatalities?

All Graphs and Charts

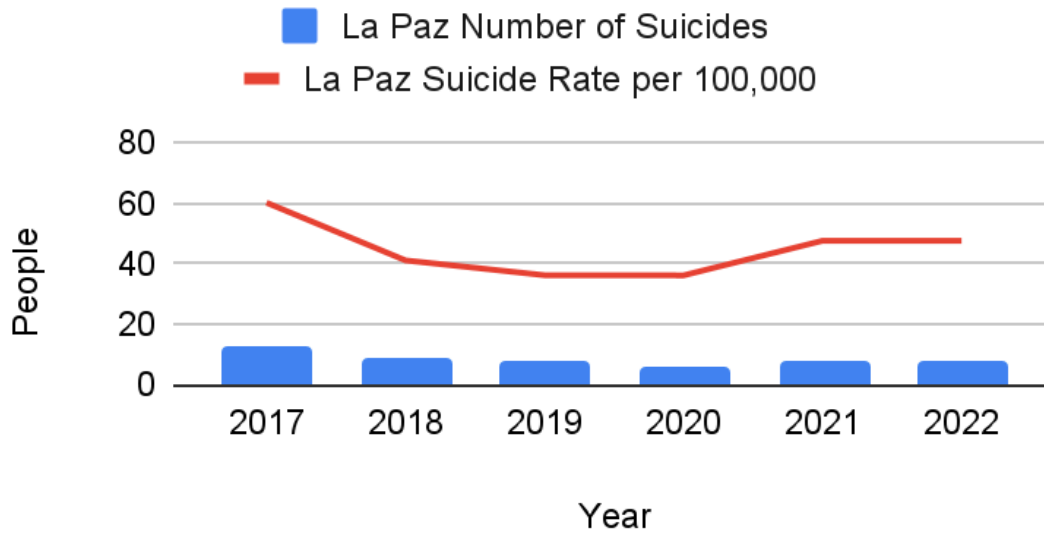
La Paz Suicide Rate per 100,000 (2017-2022)



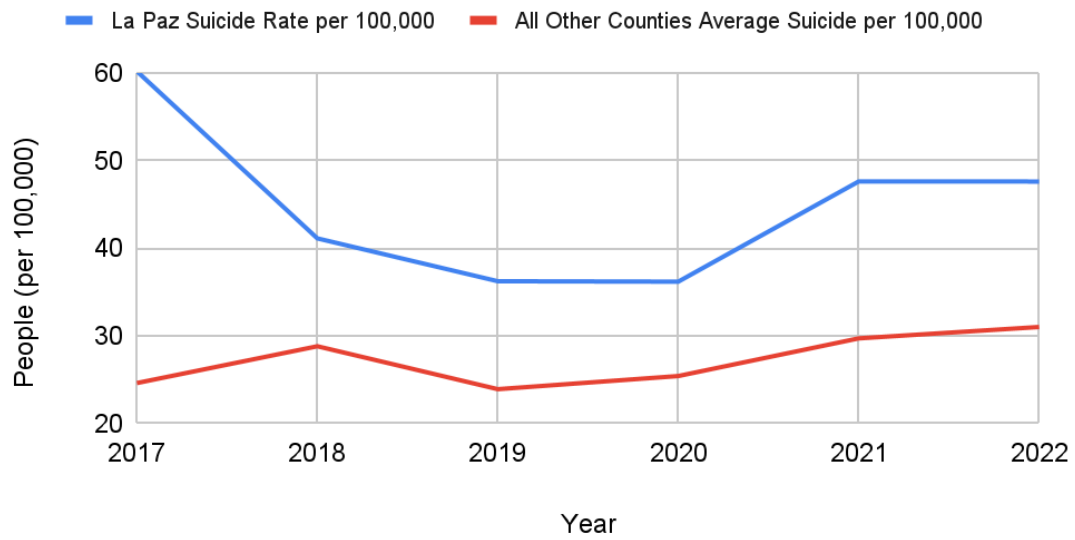
La Paz Suicides (2017-2022)



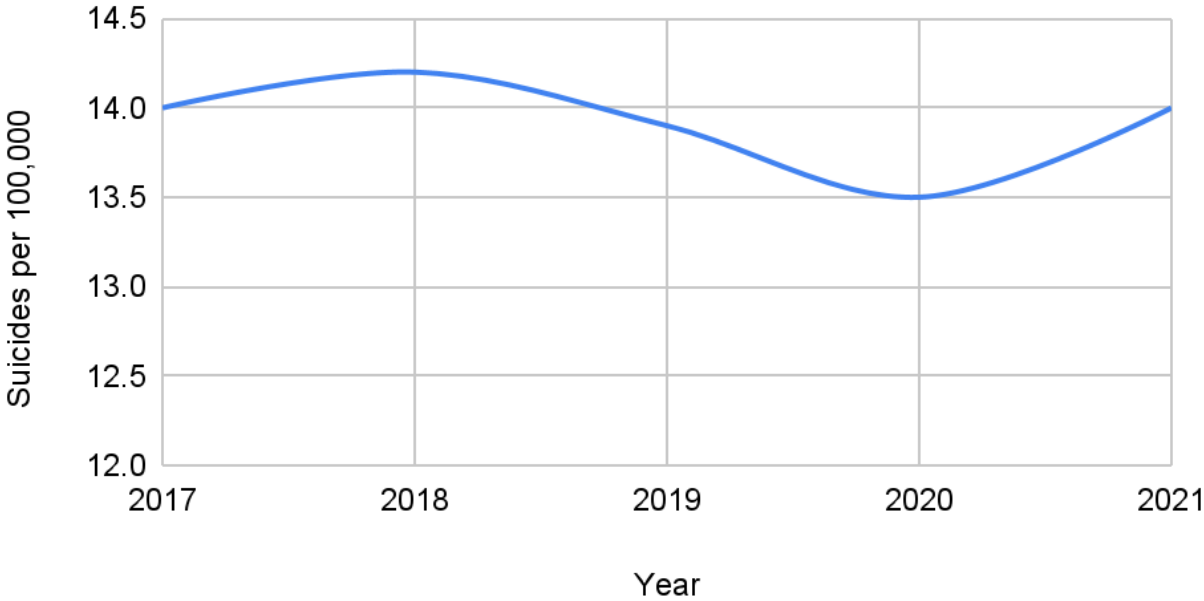
La Paz Suicide (2017-2022)



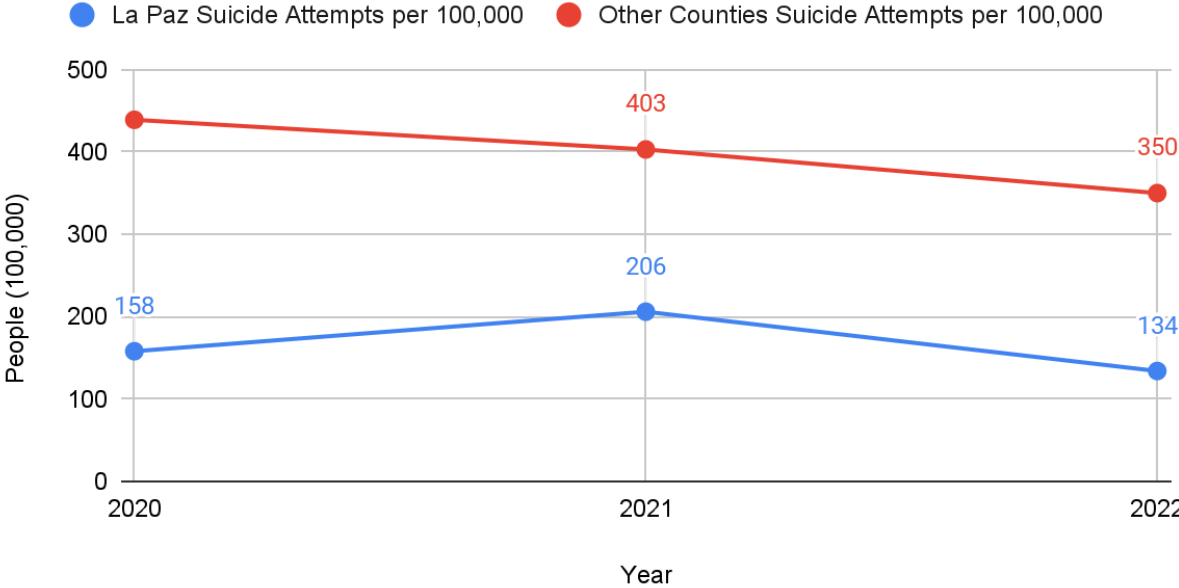
La Paz Vs All Other Counties Suicide Rate (2017-



United States Suicide Rates (2017-2021)



La Paz Suicide Attempts Compared to all Other Counties per 100,000 (2020-2022)



Year	La Paz Number of Suicides	La Paz Suicide Rate per 100,000	La Paz Population	Percent Change	All Other Counties Average Suicides	All Other Counties Average Suicide per 100,000	United States suicides per 100,000
2017	13	60.2	21598	-	99.2	24.6	14
2018	9	41.1	21890	-31.69%	109.7	28.8	14.2
2019	8	36.2	22085	-11.90%	108.2	23.9	13.9
2020	6	36.2	16587	-0.14%	104.5	25.4	13.5
2021	8	47.6	16802	31.63%	113.2	29.7	14
2022	8	47.6	16805	-0.02%	109.8	31	

Sources

Population

<https://pub.azdhs.gov/health-stats/menu/info/pop/index.php?pg=>

Suicide Numbers and Rates

<https://pub.azdhs.gov/health-stats/report/im/2019/suicide/pdf/3-8.pdf>

<https://pub.azdhs.gov/health-stats/report/im/2018/suicide/pdf/3-8.pdf>

<https://www.azdhs.gov/prevention/tobacco-chronic-disease/suicide-prevention/index.php#data-and-reports>

<https://www.cdc.gov/suicide/suicide-data-statistics.html>

<https://pub.azdhs.gov/health-stats/report/avs/index.php>

https://www.cdc.gov/nchs/pressroom/nchs_press_releases/2022/20220930.htm