

An Elovon Case Study



# Dropping the Dropout Rate Using PredictiveED™



elovonDATA



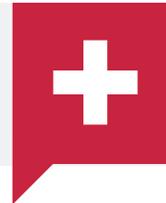
## Using PredictiveED to Reduce Dropouts

More than **18,000** of Arizona's children dropped out of high school in 2014, which will cost Arizona \$7.6 billion over their lifetime (\$422,000 per student).<sup>1</sup>

These students are...



Less likely to find jobs



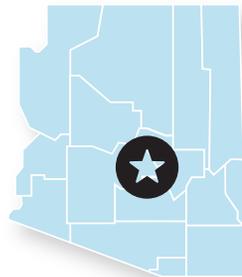
More likely to have poor health



At an increased risk for criminal behavior



More inclined to rely on public assistance

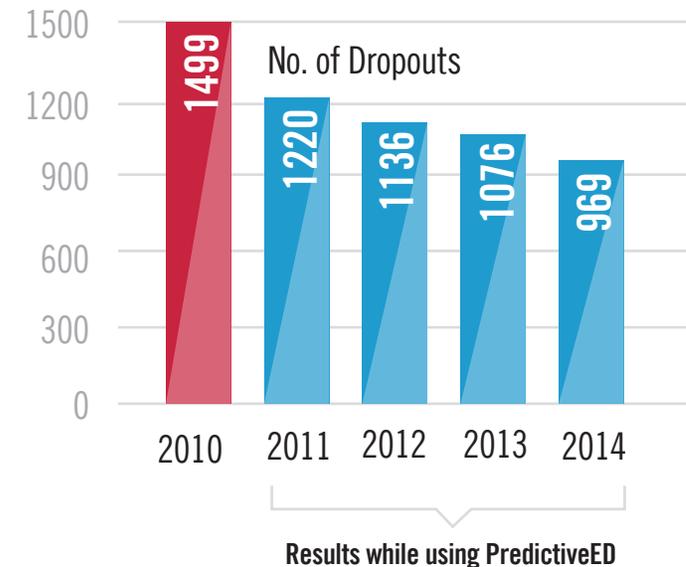


Phoenix had the fourth highest rate of dropouts in the country in 2013 at **24%**. As the nation's sixth-largest city, Phoenix had the highest economic losses from high-school dropouts in the country.



## It Doesn't Have to Be This Way

In 2011, the PredictiveED program was created which, resulted in a steady decline in dropouts in the 25,000 students attending high school in Jefferson County School District (JCSD) in Louisville, Kentucky. Before our program was implemented, JCSD saw 1,499 dropouts.



The average annual income for a high-school dropout in the U.S. was **\$7,800** less than that of a high school graduate at only \$19,540.<sup>2</sup>



## Analytics Leads to Action

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By using PredictiveED, we are able to circumvent dropouts by:



Identifying the early warning signs of a student who is likely to dropout.



Identify the reasons why the student could drop out, at the individual level.



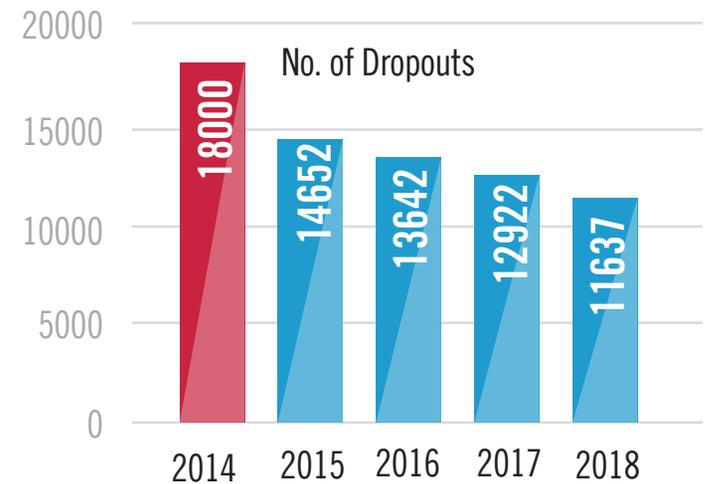
Identify specific interventions to lower the dropout probability for each student.

Interventions program in Jefferson County include LEEP (Louisville Educational and Employment Partnership), as well as various after-school and counseling programs.



## ARIZONA'S FUTURE

We can mimic these results amongst Arizona's 784,551 high school students.<sup>3</sup> In Year One, Arizona would lower the dropout rate by 3,349 children, which would have an impact on the Arizona economy of **\$1.48B** over the students' lifetimes. These 3,349 children will earn an average of \$7,800 more each year. The savings continue, year after year after year.





## Keep in Mind...

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Our proprietary PredictiveED modeling platform improves with time. As we collect more and more data, PredictiveED will more effectively pinpoint at-risk students and the appropriate interventions to keep them in school... and keep Arizona on the road to a flourishing economic and academic record.



elovon DATA

- 1 California Dropout Research Project, with information compiled from the Arizona Department of Education.  
<http://www.azcentral.com/story/news/local/phoenix/2014/06/25/arizona-high-school-dropouts-economic-cost/11379079/>
- 2 Measures of America, a New York-based nonpartisan non-profit that studies well-being in America.
- 3 <http://high-schools.com/directory/az/>