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2023 GED CONFERENCE

Using **Data** to Better Understand Our Learners' GED[®] Journey

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Welcome



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Agenda

- National Trends
- Regional Trends
- Learner Focused Analysis
- Future Analysis



Objective

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- Collecting and analyzing usage data is an important factor in understanding the characteristics and behavioral patterns that correlate to candidate success on the GED test.
- While trends generally apply across the program nationally, there are regional variations dependent on jurisdiction processes and available resources
- Measuring and modeling data at the learner level will help us create tailored experiences giving our learners the best chance for success.



Collect and analyze data from different sources to help our learner succeed



Testing Activity



Account information







Public Datasets



National Trends

General activity and metrics across the program



Learners move through a "funnel" from creating an account to credential



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700,000 signed up an account

200,000 took their first GED

140,000 grads



Through June, we have seen More Accounts, More Tests, and More Credentials



Learner demographics and behavior are consistent, pre- and post-Covid years



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The Median time for candidates from <u>Account</u> <u>Setup to Credential</u> is 119 days





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The Median time for candidates from <u>First GED</u> <u>exam to Credential</u> is 84 days



Younger learners prefer digital study tools



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Regional Trends

Each jurisdiction has its own unique variation



Metrics can differ dramatically depending on your state



National Monthly OnVUE Rate



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Metrics can differ dramatically depending on your state



National Monthly OnVUE Rate

Jurisdiction OnVUE Rate



Metrics can differ dramatically depending on your state



GED Testing Score differ across counties <u>WITHIN</u> a state





We analyzed the effect of resources on learner performance

For example -

Candidates who took at least one GED Ready Test

Candidates who did not take a GED Ready Test

- Matching was performed based on
 - Individual Characteristics
 - Age
 - Gender
 - Race
 - Geographic Demographics such as income, employment, and education level

https://en.wikipedia.org/wiki/Propensity_score_matching

Candidate Population with Varying Characteristics



Performance was compared between these groups using linear regression models



Prep Center Enrollment creates most incremental impact in Mathematics

	Top States by Subject (Incremental GED Testing Score)					
GED Resource	Mathematics	Reasoning	Social Studies	Science		
Prep Center Enrollment	California (+3.6) Virginia (+2.5) Ohio (+2.0)	Virginia (+2.1) Oregon (+1.9)	Florida (+1.3) Kentucky (+1.2) Georgia (+1.0)	California (+1.1) Georgia (+0.9) Kentucky (+0.7)		

Recommendation 1 – Promote enrollment in areas of states experiencing lower performance.

Recommendation 2 – Investigate what qualities in prep centers may lead to more success and replicate those features in other areas





GED Ready Testing is the most impactful resource

GED Resource	Top States by Subject (Incremental GED Testing Score)				
	Mathematics	Reasoning	Social Studies	Science	
GED Ready Testing		New Jersey (+3.4) Massachusetts (+2.9) Georgia (+2.2)	New Jersey (+4.7) Georgia (+2.2) Michigan (+1.8)	Connecticut (+3.8) New Jersey (+3.8) Georgia (+1.4)	

Recommendation – GED Ready Test could be subsidized across al states, to improve GED testing performance.

Subsequently, number of retakes could drop, offsetting a potential subsidy



Learner Specific Analysis

Focusing on the learner journey



Learners move through a "funnel" from creating an account through to credential





Analyzed demographics and behavior to identify actionable insights





Clustered candidates on their features





Clustered candidates on their features





Defined 3 different segments at the 1st convert





Defined 3 different segments at the 1st convert





Defined 3 different segments at the 1st convert





The Mature segment is the group experiencing the most success

		New Comer	Mature	Inactive	Overall
	% of Population	21%	22%	57%	100%
	Age (Median)	25	22	27	26
	% of Taken at Least One GED*	15%	54%	5%	18%
	% of Taken ALL Four GED*	8%	34%	3%	11%
	Days to taking 1 st GED**	164	277	349	295



Test Taker Segments



Key Behavior

- Takes more RLA Ready Tests
- Higher GED Ready failure rate

- Model group with best first test conversion



Mature

Candidates early in their journey ٠

- Offer more preparatory resources for • **RLA Ready**
 - Nudge candidates within first 90 days of account setup to take activity

Recommendation

Suggest learner to take Science Ready

Frequent outreach to guide them towards staying engaged



Drive a quick win through Science Ready to avoid becoming Inactive





They should be advised to start with Science GED Ready



Defined 3 additional segments for the 2nd convert





Defined 3 additional segments for the 2nd convert





Most successful segment is Determined

	Determined	Rushed	Hesitant	Overall
% of Population	58%	21%	21%	100%
Age (Median)	20	20	24	20
% of Taken ALL Four GED	80%	68%	0.04%	60%
Average Days to 1 st Exam*	60	52	173	83
# Sessions**	44	18	23	34



Hesitant candidates are less confident, older, and have a higher portion motivated by personal goal





Rushed segment should be encouraged to use prep products to improve their potential

• They are compelled to test quickly due to a job or the military



- · They are more confident of their skills and abilities than reality
- Encourage their use of GED Ready before taking tests
- Guide their journey with mobile prep materials to use just those they need most efficiently
- GED Flash is a good product for this segment



With more data points around our learner's journey, we can use predictive-based tools to create better outcomes





Predictive analytics suggest the likelihood a candidate will pass





Predictive analytics puts more weight on first score and GED Ready performance





Largest impact by focusing on the learners 'on the edge' of passing their first test

- 70 %
- Green
 - Likely to Credential
 - Present with ability to schedule test and test day support

Yellow

- 30% to 70% form 35% of our candidate pool who took the first exam
- "On the fence" as to whether they will credential
- Offer promotions for online study materials and self study material
- A slight increase in probability could mean more likely to credential

Red

- Need more assistance in order to credential
- Point them towards higher touch resources





Future Roadmap

• More regional based analysis to help educate and encourage

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- Thorough evaluation of learn journey
- Leverage predictive tools to optimize experience

Take Away

- Account creation, exams and credentials are all growing year over year.
- The GED program provides a general trend at the national level; its important to understand the slight variations in your area to maximize impact.
- Focusing on user-level data enables us to better understand our learner's unique challenges to offer more tailored assistance
- Inactive and Hesitant learners should be encouraged to get an 'early win' by taking Science first
- Predictive analytics shows us the first test score is the most predictive of future success



Session Survey

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Thank you!





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