



Navigating Equity and Access for Higher Education

Supporting Educational Partnerships



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AGENDA



12:45 – 1:00 EST Participant Login

1:00 – 1:05 EST Introduction

1:05 – 2:10 EST Featured Speaker – Cathy Moak

2:10 – 2:15 EST Q&A

2:15 – 2:25 EST TI Representative

2:25 – 2:30 EST Q&A/Closing

Navigating Equity and Access for Higher Education



Cathy Moak, Ph.D.
Project Manager for Professional Development
University of Texas at Austin GEAR UP

UT GEAR UP



The University of Texas at Austin
Institute for Public School Initiatives
College of Education

Navigating Equity and Access for Higher Education

Dr. Cathy Moak
The University of Texas at Austin

UT GEAR UP



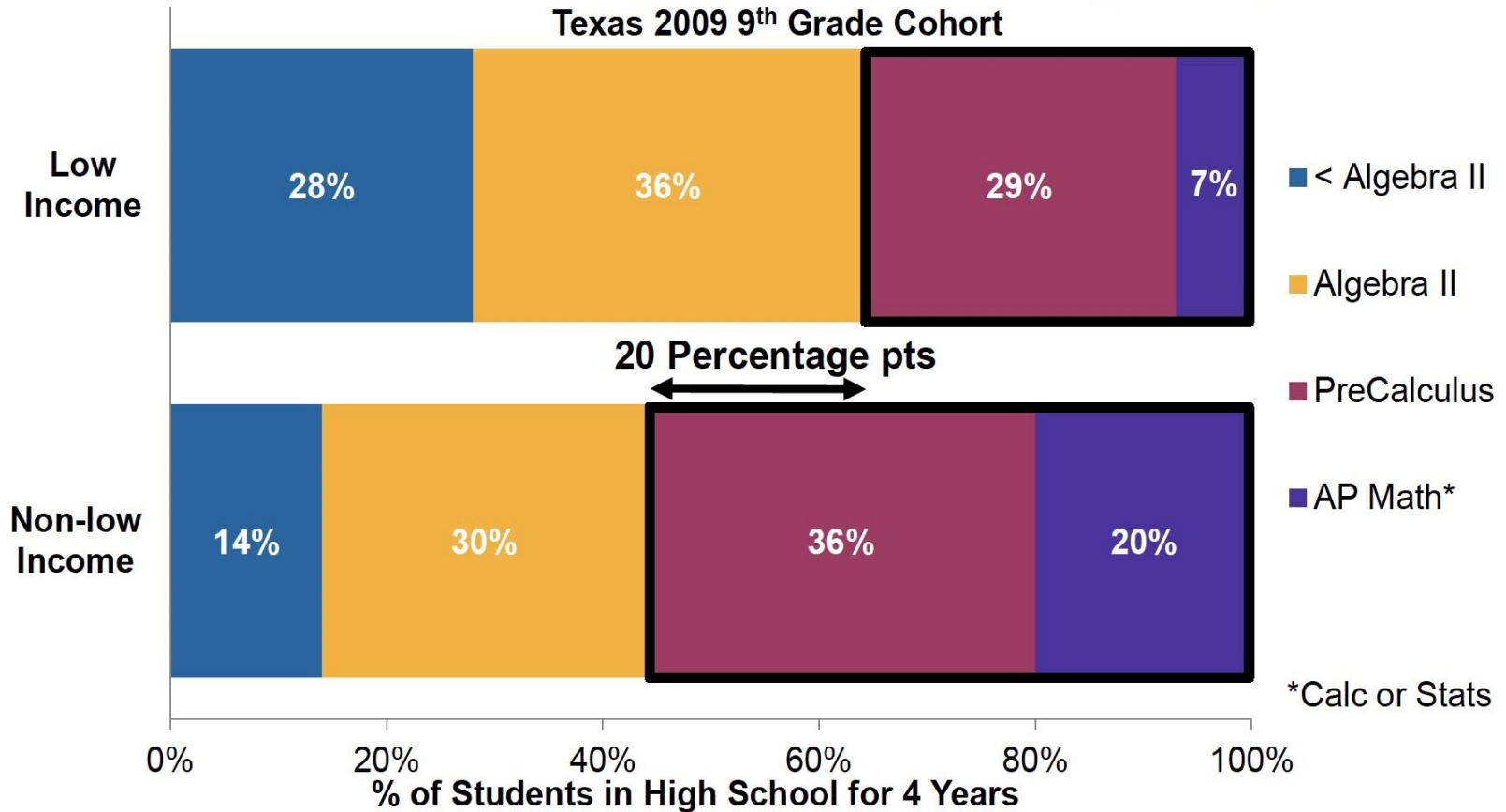
**Gaining Early
Awareness Readiness
for Undergraduate
Programs.**



Algebra 1

The Gate Keeper

Percent of Students by Highest Math Passed in High School, Texas 2009 9th Grade Cohort

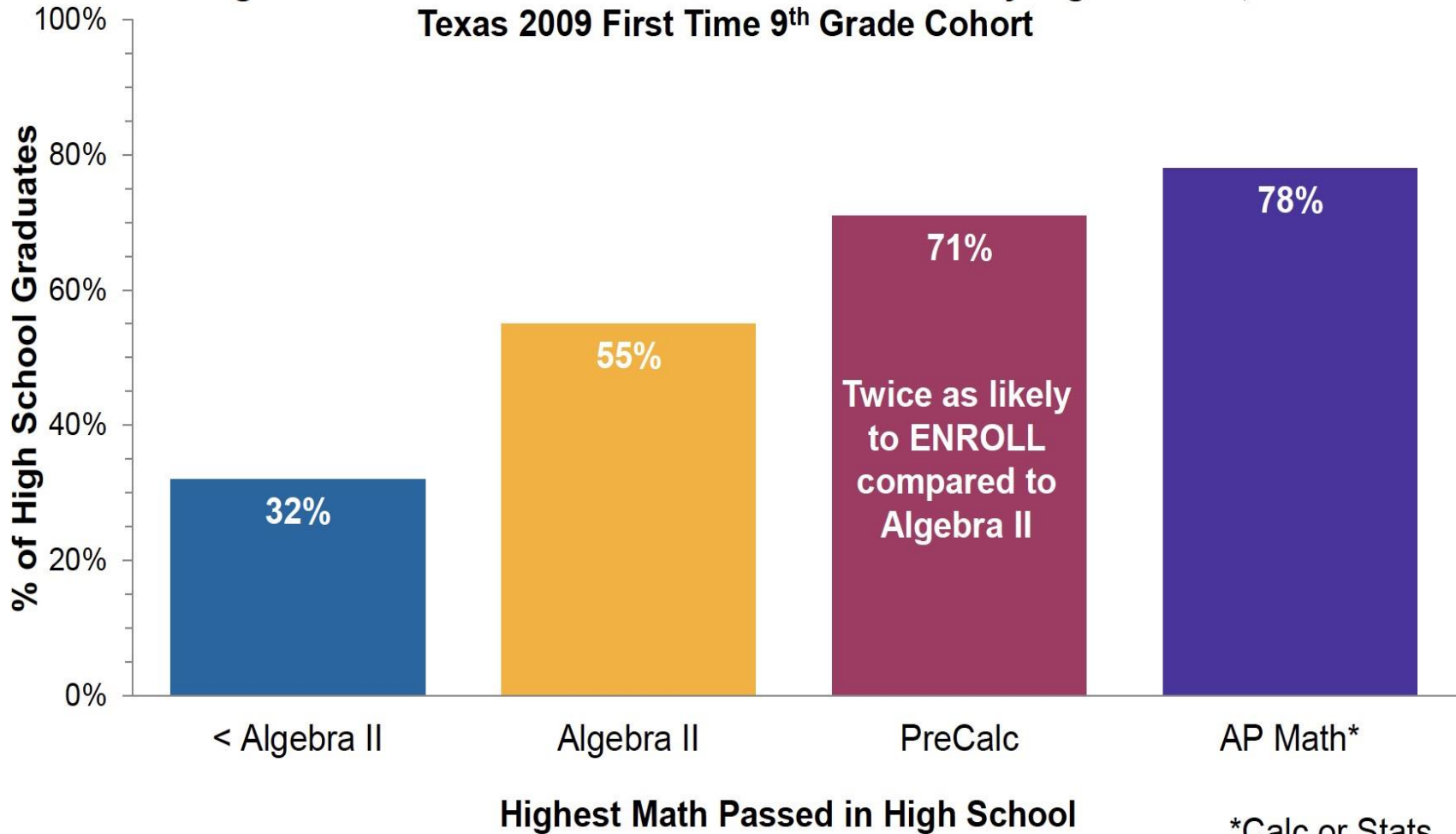


Source: E³ Alliance analysis of PEIMS data at the UT Austin Education Research Center

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http://e3alliance.org/wp-content/uploads/2017/07/Rigorous_Math_Matters_E3_Alliance_STEM_Leadership_Conference_062717.pdf

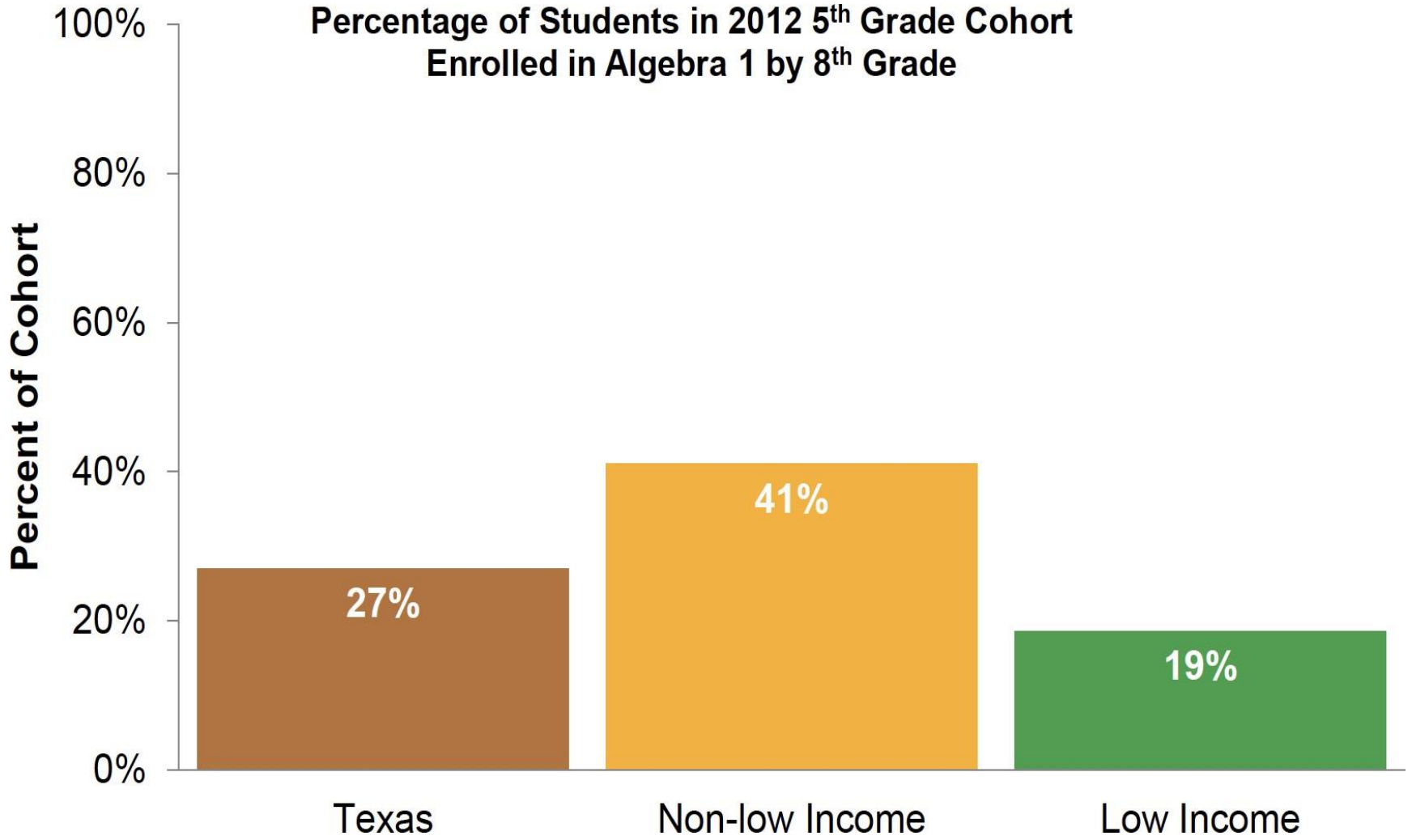
Higher Education Enrollment Rates of Graduates by Highest Math, Texas 2009 First Time 9th Grade Cohort



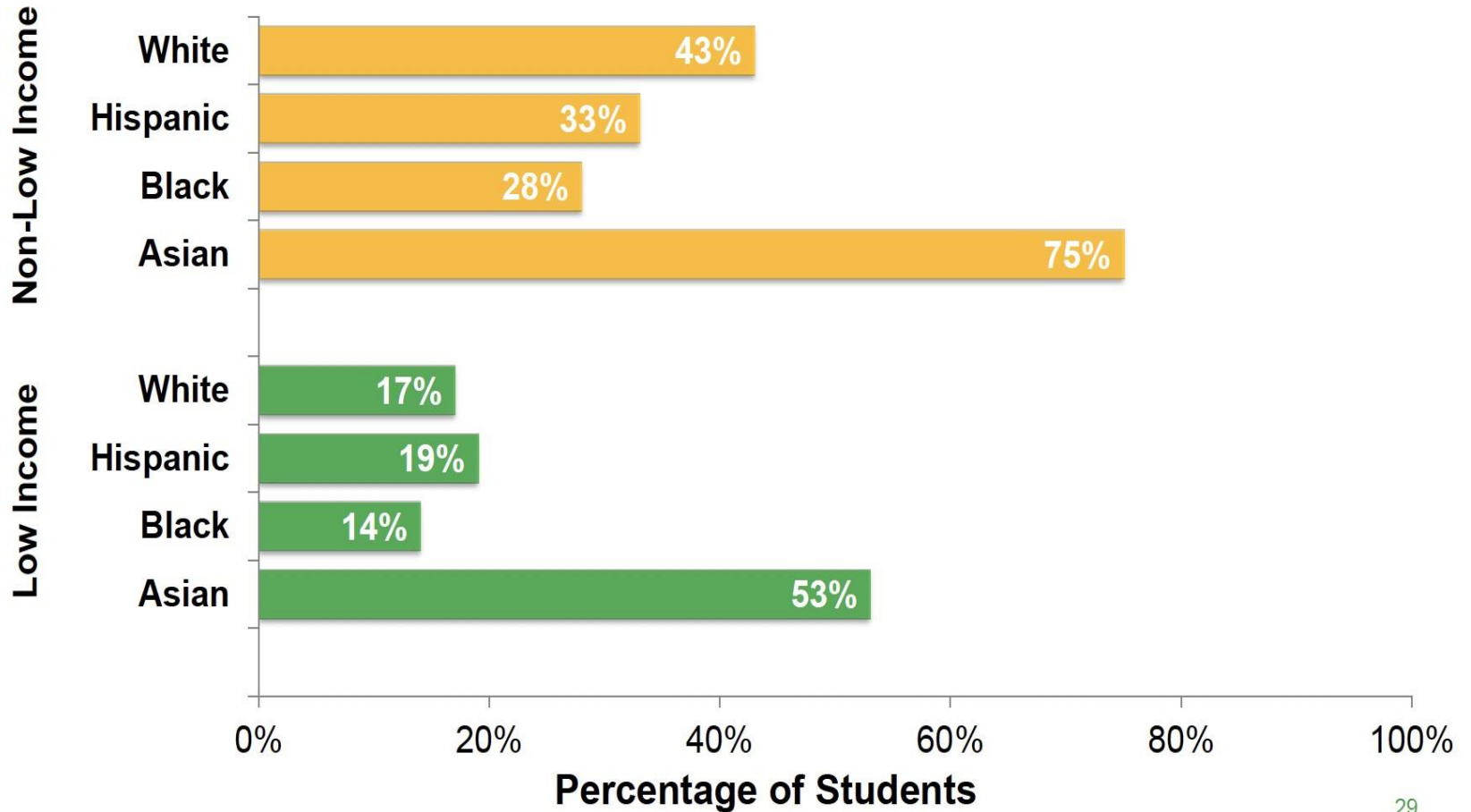
Odds ratios take into account demographics & prior achievement; 2004 cohort
Source: E³ Alliance analysis of data at the UT Austin Education Research Center

© 2017 E3 Alliance

**Percentage of Students in 2012 5th Grade Cohort
Enrolled in Algebra 1 by 8th Grade**



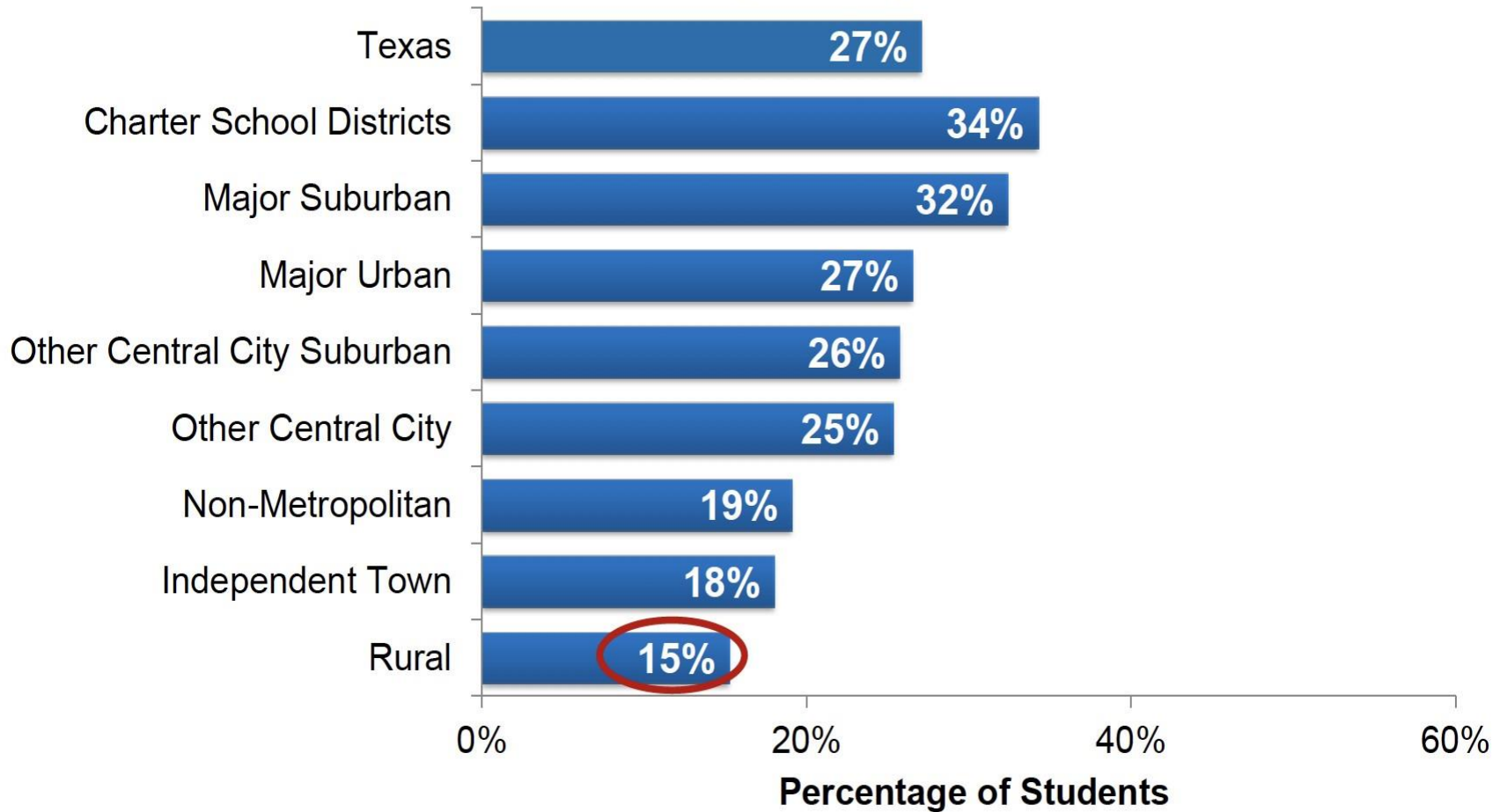
Percentage of Students in 2012 Texas 5th Grade Cohort Enrolled in Algebra 1 by 8th Grade



Source: E³ Alliance analysis of PEIMS data at the UT Austin Education Research Center

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Percentage of Students in 2012 5th Grade Cohort Enrolled in Algebra 1 by 8th Grade



A silhouette of a person pushing a large, glowing sphere against a bright sun, symbolizing pioneers. The scene is set against a bright, hazy sky with a large sun in the upper left, creating a lens flare effect. The person is standing on a dark, rocky terrain. The overall color palette is dominated by blue and orange tones.

The Pioneers

**“It's quite a scary path to walk on,
When you have no one's past
experience to lean on or learn from.
It's all new and uncharted.
But nothing is finished unless it is
started.”**

— Innocent Mwatsikesimbe, *Reality Check: A Collection of Poems*



STAAR EOC, SOMERSET JR.H., Algebra I

Group	Admin	STAAR						
		Number Tested	Average Scale Score	Satisfactory %	Advanced %	Unsatisfactory %	Did Not Meet %	Approaches %
SOMERSET JR.H.	Spring 2012	66	4074	97	14	3		
SOMERSET JR.H.	Spring 2013	57	4281	98	32	2		
SOMERSET JR.H.	Spring 2014	169	4018	93	20	7		
SOMERSET JR.H.	Spring 2015	251	3975	86	20	14		
SOMERSET JR.H.	Spring 2016	230	4064	87	29	13		
SOMERSET JR.H.	Spring 2017	284	3903				19	81
SOMERSET JR.H.	Spring 2018	297	4049				16	84
SOMERSET JR.H.	Spring 2019	316	4102				13	87



The Think Tank

**Somerset
East Central
San Marcos
Southwest
Edgewood**



Teacher Readiness
Student Readiness
Parent Communication
Partner Support

Teacher Prep

- Certifying Middle School Teachers
- Nspire Conference

Student Prep

- Identifying Gaps
- Bootcamp
- Summer Bridge

Partner Support

Texas Instruments

- NSpire Calculators -10,320
- TSI and Bridge Curriculum

Agile Minds

- Summer Algebra Bridge Program

Princeton Review Homework Helper

- Online Virtual Homework Help



The Results

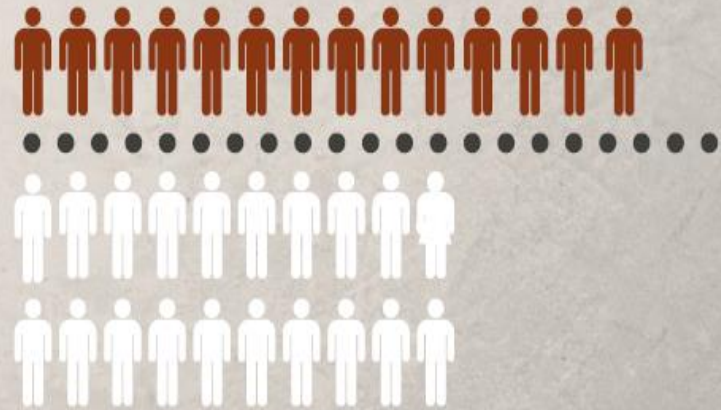
80%

**APPROACHES
(PASSED) THE
END OF COURSE
EXAM**

72%

MORE STUDENTS

more students have an
Algebra 1 credit when
compared to the
number of last year's
eighth-graders



0

**CAMPUSES WENT DOWN A
SINGLE PERCENT FROM 7TH
TO ALGEBRA 1 AND LAST
YEAR'S 8TH-GRADE STAAR TO
THIS YEAR'S ALGEBRA 1**

19%

19% more students reached "approaches" on the Algebra 1 EOC than the 7th Grade STAAR Math Test

50%

ACHIEVED MEETS

26%

ACHIEVED MASTERS

1440

MORE STUDENTS

3 X MORE LIKELY TO MEET ACT
BENCHMARKS

HAVE ACHIEVED THE SINGLE
GREATEST PREDICTOR OF
COLLEGE ENROLLMENT

HAVE ACCESS TO CALCULUS

“The best math we can learn is how to calculate the future cost of current decisions.” - Anonymous

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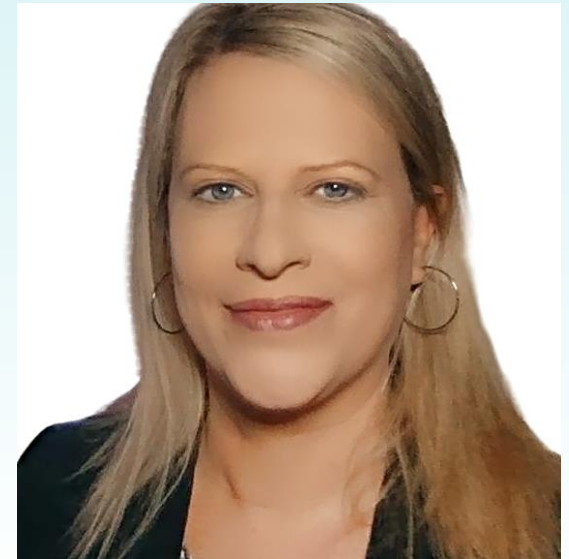
tx.ag/A1FA

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Q & A

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Professional Learning

Individualized Coaching

**Gaining Early Awareness and Readiness
for Undergraduate Programs**



New competition opening early 2021

<https://www2.ed.gov/programs/gearup/index.html>

TI Educational Technology Consultant by State



[Robyn Poulsen](#)

ME, NH, VT, MA, CT, RI, NJ, MD, DE

[Mr. Dana Morse](#)

NY, PA

[Jamila Gadsden](#)

NC, SC, VA, Washington DC

[Michelle Grooms](#)

OH, IN, MI, KY, WV, WI

[Beth Smith](#)

FL, AL, GA, MS, LA, AR

[Pareesa Schulte](#)

TX ESCs 4, 10-13, 15, 18-20, AZ, NM

[Marco Gonzalez](#)

TX ESCs 1-3, 5-9, 14, 16, 17, OK

[Brian Dunncliffe](#)

AK, CA, CO, HI, ID, MT, NV, OR, UT, WY

[Ron Thomas](#)

IL, MO, TN, MN, SD, ND, IA, NE, KS

[Tom Steinke](#)

Canada

Professional Development Opportunity

We would like to invite participants to take professional development through our learning management system. All courses are free and include continuing education credits.

<http://utgearup.talentlms.com>

UT GEAR UP

2021 VIRTUAL T³IC | FEB. 13, 20 AND 27 | #T3IC

REGISTER

ENCOURAGE.
ENGAGE.
EMPOWER.



Teachers Teaching
with Technology™

Virtual Conference

Registration now open

<https://education.ti.com/en/professional-development/t3-international-conference-2021>

Upcoming TI Events



February 13, 2021 – WeTeach CS and You Can Too!

In lieu of the monthly TI Talks event, Carol L. Fletcher, Ph.D. will present, “WeTeach_CS and You Can Too!” as part of the 2021 Virtual T³ International Conference on Feb. 13, 2021. Fletcher is the Director of Expanding Pathways in Computing (EPIC) at The University of Texas at Austin.

Get conference details >>

<https://education.ti.com/en/professional-development/t3-international-conference-2021?category=feb-13>

March 4, 2021 - Begin with the End in Mind: Tapping into Partner Strengths to Expand College Access

Traci O. Aucoin is the Lafayette Parish School System GEAR UP Project Director in Lafayette, LA.

<https://education.ti.com/en/resources/funding-and-research/partners/ti-talks>

Tuesday Webinars - <https://education.ti.com/en/professional-development/teachers-and-teams/online-learning>

Q & A Closing



Thank you for joining us today!