

Reclaiming Student Success

AB1705 in the Context of Minority Students

Daniel Judge



@Daniel_Judge



YouTube

Daniel Judge

- Teaching Mathematics at East Los Angeles College 23 years and teaching in East Los Angeles for 27 years.
- Currently serves as the Chair for the L.A.C.C.D District Mathematics Council.
- Grandson of Arturo S Almanza, local Mexican American Civil Rights leader in Los Angeles during the Civil Rights Movement.



Taught AP Calculus at a largely Hispanic, low-income East Los Angeles high school and was hailed as a hero for transforming one of the lowest performing schools in the country after his entire class passed the AP exam in 1982.



Hispanic Heritage Month

Jaime Escalante

I am a Former Student of Jaime Escalante from 1988 to 1990 at East Los Angeles College as an evening student.

I was a ELAC Student for 4 years before I transferred.

I would not be here today, if AB1705 was in place in 1986 when I started at East Los Angeles College I would have opted not to attend.

To My Students

It is not where you start, it's where
you end.



**2.1 NON-SURVIVORS
1 SURVIVOR**

Titanic Mortality Rate

What can we expect with AB1705?

- Visit the State Chancellor's Dashboard.
- Select **AT Transfer** with **Fall Only**.
- This **data does not include drops before census**.
- This data represents the “**best prepared students**” under AB705.
- Fall 2018 last term (Pre-AB705).
- Fall 2019 first fall term under AB705.

LA Harbor College Mathematics

College	Cohort Size	Fall 2018 Pre AB705 Successful Transfer Level Math Completion Rates	Fall 2018 Pre AB705 Successful Transfer Level Math Throughput	Fall 2018 Pre AB705 Complement Throughout	Fall 2018 Pre AB705 Unit Ratio Complete to Non Complete
LA Harbor	383	66%	253	130	0.514
African American	17	65%	11	6	0.545
Hispanic	236	62%	147	89	0.605
College	Cohort Size	Fall 2019 AB705 Successful Transfer Level Math Completion Rates	Fall 2019 AB705 Successful Transfer Level Math Throughput	Fall 2019 AB705 Complement Throughout	Fall 2019 AB705 Unit Ratio Complete to Non Complete
LA Harbor	857	50%	432	425	0.984
African American	77	32%	25	52	2.080
Hispanic	496	43%	215	281	1.307
	Additional Hispanic Students Fall 2018 to Fall 2019		Additional Successful Completions Fall 2018 to Fall 2019	Additional Unsuccessful Completions Fall 2018 to Fall 2019	Unit Ratio Fall 2018 to Fall 2019
LA Harbor	474		179	295	1.648
African American	60		14	46	3.286
Hispanic	260		68	192	2.824

LA Harbor College Mathematics Hispanic Students

- 260 additional Hispanic students took a transfer level Mathematics Course from Fall 2018 (Pre AB705) to Fall 2019 (AB705).
- 68 additional Hispanic students succeeded which is known as throughput.
- 192 additional Hispanic students did not get through. The complement of throughput. This is what is never mentioned about AB705!
- These were the “best prepared Hispanic students” under multiple measures of AB705.

**2.8 NON-SUCCESSSES
1 SUCCESS**

LA HARBOR MATH



HISPANIC
STUDENTS

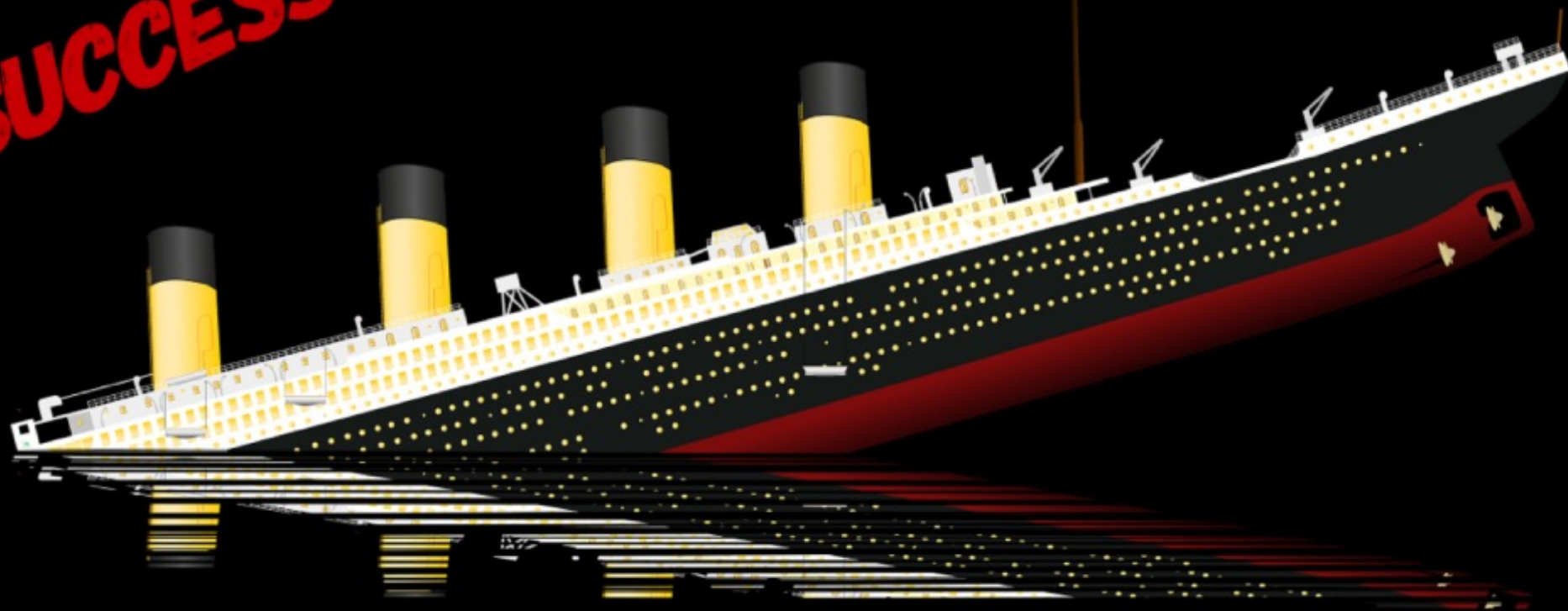
AB1705 Mortality Rate

LA Harbor College Mathematics African American Students

- 60 additional African American students took a transfer level Mathematics Course from Fall 2018 (Pre AB705) to Fall 2019 (AB705).
- 14 additional African American students succeeded which is known as throughput.
- 46 additional African American students did not get through. The complement of throughput. This is what is never mentioned about AB705!
- These were the “best prepared African American students” under multiple measures of AB705.

3.3 NON-SUCCESSSES
1 SUCCESS

LA HARBOR MATH



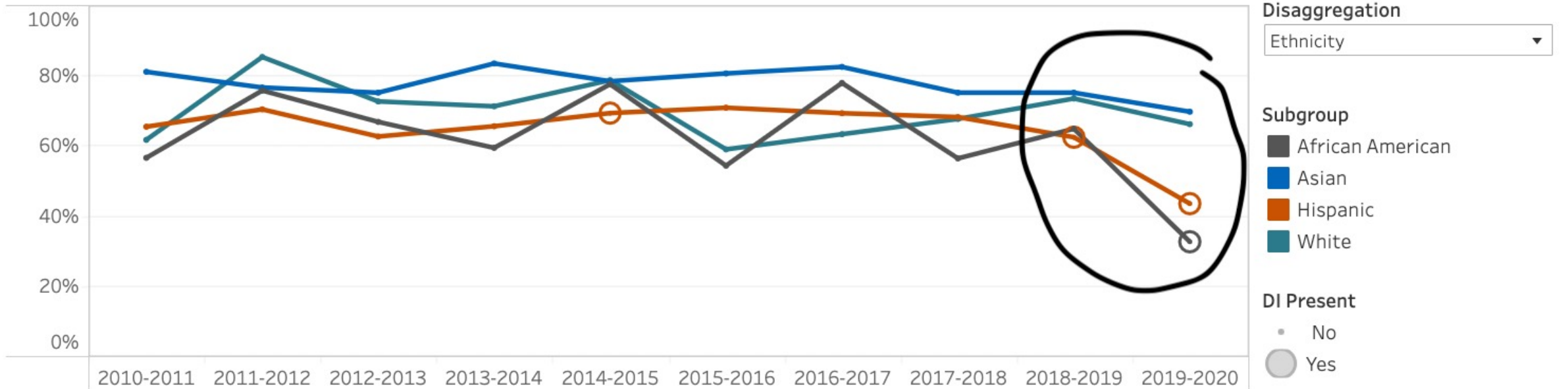
AFRICAN AMERICAN
STUDENTS

AB1705 Mortality Rate

LA Harbor College Mathematics

- Declining Success Rates
- Increased Equity Gaps

Math Transfer-Level Completion Rates: Disaggregated (PPG-1 methodology)



LA Mission College Mathematics

College	Cohort Size	Fall 2018 Pre AB705 Successful Transfer Level Math Completion Rates	Fall 2018 Pre AB705 Successful Transfer Level Math Throughput	Fall 2018 Pre AB705 Complement Throughout	Fall 2018 Pre AB705 Unit Ratio Complete to Non Complete
LA Mission	442	49%	216	226	1.046
African American	10	70%	7	3	0.429
Hispanic	355	46%	163	192	1.178
College	Cohort Size	Fall 2019 AB705 Successful Transfer Level Math Completion Rates	Fall 2019 AB705 Successful Transfer Level Math Throughput	Fall 2019 AB705 Complement Throughout	Fall 2019 AB705 Unit Ratio Complete to Non Complete
LA Mission	638	35%	221	417	1.887
African American	16	13%	2	14	7.000
Hispanic	531	33%	174	357	2.052
	Additional Hispanic Students Fall 2018 to Fall 2019		Additional Successful Completions Fall 2018 to Fall 2019	Additional Unsuccessful Completions Fall 2018 to Fall 2019	Unit Ratio Fall 2018 to Fall 2019
LA Mission	196		5	191	38.200
African American	6		-5	11	NA
Hispanic	176		11	165	15.000

LA Mission College Mathematics Hispanic Students

- 176 additional Hispanic students took a transfer level Mathematics Course from Fall 2018 (Pre AB705) to Fall 2019 (AB705).
- 11 additional Hispanic students succeeded which is known as throughput.
- 165 additional Hispanic students did not get through. The complement of throughput. This is what is never mentioned about AB705!
- These were the “best prepared Hispanic students” under multiple measures of AB705.



15 NON-SUCCESSSES
1 SUCCESS

LA MISSION MATH

HISPANIC
STUDENTS

AB1705 Mortality Rate

LA Mission College Mathematics African American Students

- 6 additional African American students took a transfer level Mathematics Course from Fall 2018 (Pre AB705) to Fall 2019 (AB705).
- -5 additional African American students succeeded which is known as throughput. Assume a throughput of 1.
- 11 additional African American students did not get through. The complement of throughput. This is what is never mentioned about AB705!
- These were the “best prepared African American students” under multiple measures of AB705.

**11 NON-SUCCESSSES
1 SUCCESS**

LA MISSION MATH

ASSUMPTION



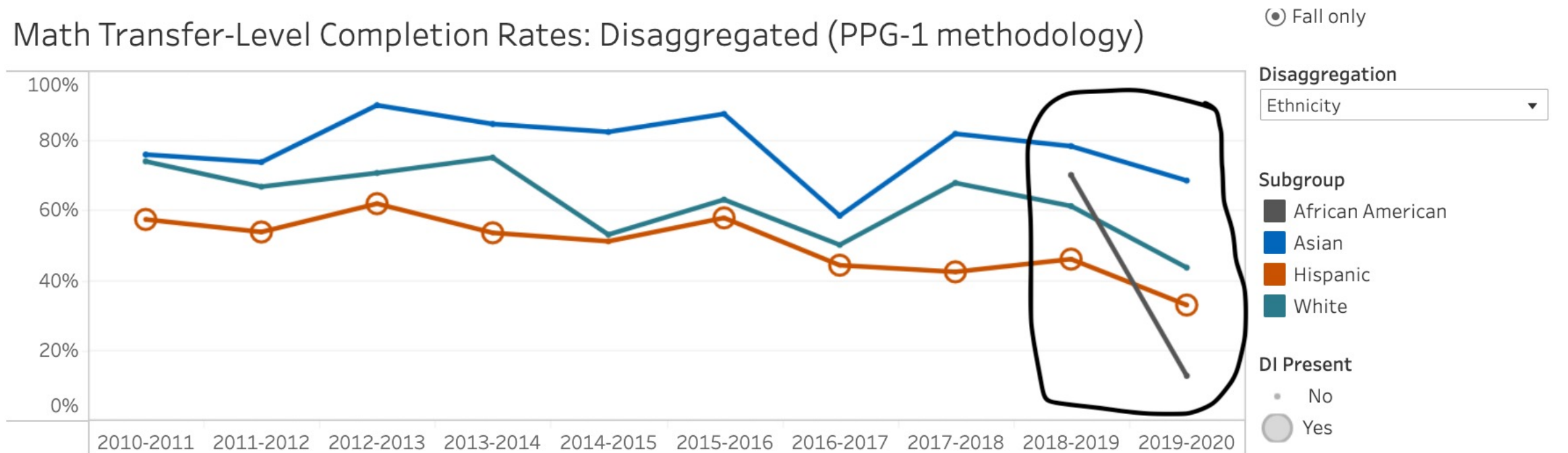
AFRICAN AMERICAN
STUDENTS

AB1705 Mortality Rate

LA Mission College Mathematics

- Declining Success Rates
- Increased Equity Gaps

Math Transfer-Level Completion Rates: Disaggregated (PPG-1 methodology)

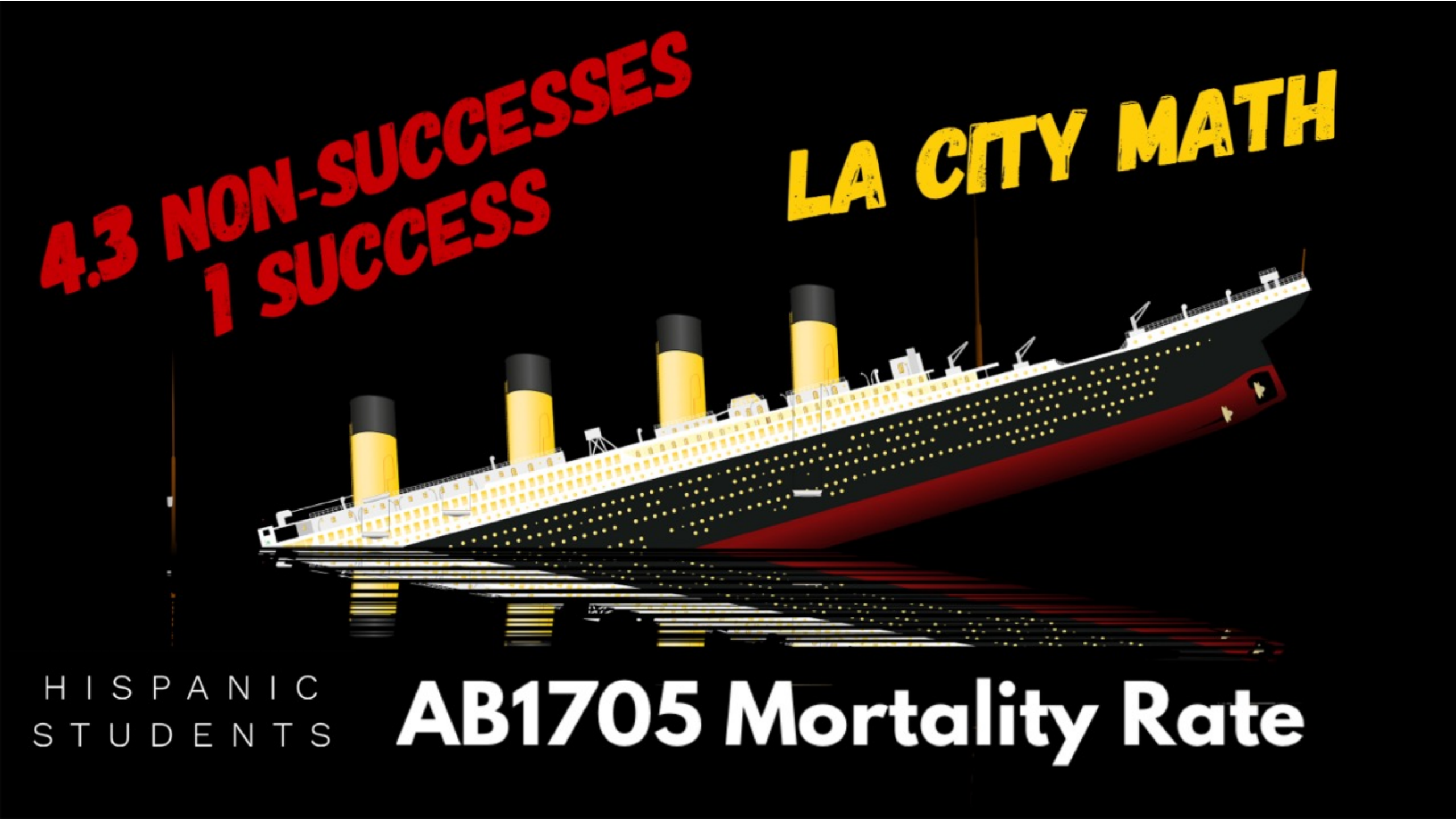


LA City College Mathematics

College	Cohort Size	Fall 2018 Pre AB705 Successful Transfer Level Math Completion Rates	Fall 2018 Pre AB705 Successful Transfer Level Math Throughput	Fall 2018 Pre AB705 Complement Throughout	Fall 2018 Pre AB705 Unit Ratio Complete to Non Complete
LA City	228	57%	130	98	0.754
African American	10	70%	6	4	0.667
Hispanic	101	41%	41	60	1.463
College	Cohort Size	Fall 2019 AB705 Successful Transfer Level Math Completion Rates	Fall 2019 AB705 Successful Transfer Level Math Throughput	Fall 2019 AB705 Complement Throughout	Fall 2019 AB705 Unit Ratio Complete to Non Complete
LA City	1010	31%	313	697	2.227
African American	42	17%	7	35	5.000
Hispanic	656	22%	146	510	3.493
	Additional Hispanic Students Fall 2018 to Fall 2019		Additional Successful Completions Fall 2018 to Fall 2019	Additional Unsuccessful Completions Fall 2018 to Fall 2019	Unit Ratio Fall 2018 to Fall 2019
LA City	782		183	599	3.273
African American	32		1	31	31.000
Hispanic	555		105	450	4.286

LA City College Mathematics Hispanic Students

- 555 additional Hispanic students took a transfer level Mathematics Course from Fall 2018 (Pre AB705) to Fall 2019 (AB705).
- 105 additional Hispanic students succeeded which is known as throughput.
- 450 additional Hispanic students did not get through. The complement of throughput. This is what is never mentioned about AB705!
- These were the “best prepared Hispanic students” under multiple measures of AB705.



**4.3 NON-SUCCESSSES
1 SUCCESS**

LA CITY MATH

HISPANIC
STUDENTS

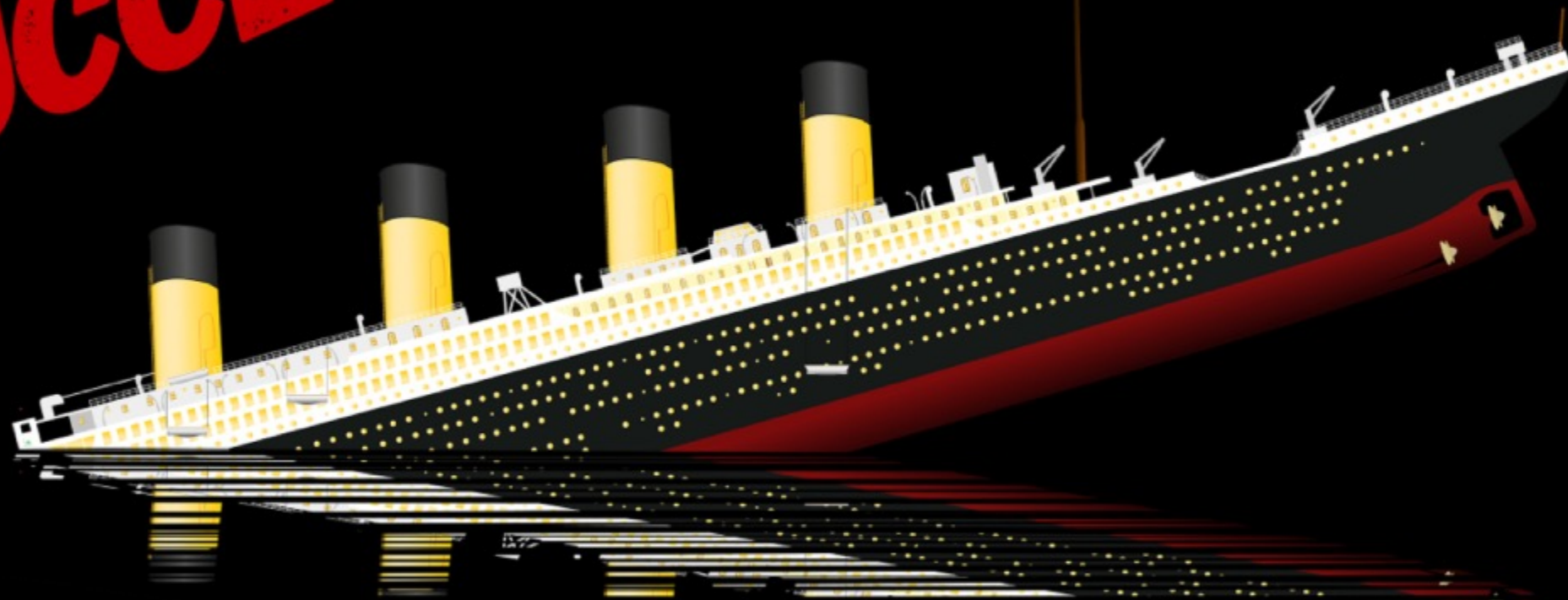
AB1705 Mortality Rate

LA City College Mathematics African American Students

- 32 additional African American students took a transfer level Mathematics Course from Fall 2018 (Pre AB705) to Fall 2019 (AB705).
- 1 additional African American student succeeded which is known as throughput. Assume a throughput of 1.
- 31 additional African American students did not get through. The complement of throughput. This is what is never mentioned about AB705!
- These were the “best prepared African American students” under multiple measures of AB705.

**31 NON-SUCCESSSES
1 SUCCESS**

LA CITY MATH



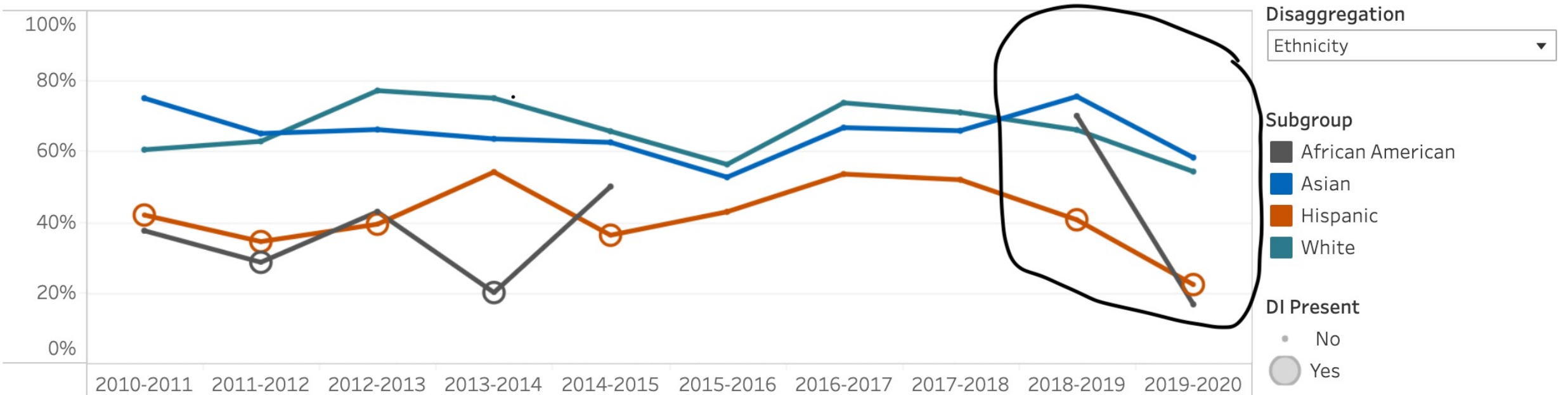
AFRICAN AMERICAN
STUDENTS

AB1705 Mortality Rate

LA City College Mathematics

- Declining Success Rates
- Increased Equity Gaps

Math Transfer-Level Completion Rates: Disaggregated (PPG-1 methodology)



West LA College Mathematics

College	Cohort Size	Fall 2018 Pre AB705 Successful Transfer Level Math Completion Rates	Fall 2018 Pre AB705 Successful Transfer Level Math Throughput	Fall 2018 Pre AB705 Complement Throughout	Fall 2018 Pre AB705 Unit Ratio Complete to Non Complete
West LA	306	47%	144	162	1.125
African American	74	27%	20	54	2.700
Hispanic	157	50%	79	78	0.987
College	Cohort Size	Fall 2019 AB705 Successful Transfer Level Math Completion Rates	Fall 2019 AB705 Successful Transfer Level Math Throughput	Fall 2019 AB705 Complement Throughout	Fall 2019 AB705 Unit Ratio Complete to Non Complete
West LA	537	38%	202	335	1.658
African American	134	25%	34	100	2.941
Hispanic	295	37%	110	185	1.682
	Additional Hispanic Students Fall 2018 to Fall 2019		Additional Successful Completions Fall 2018 to Fall 2019	Additional Unsuccessful Completions Fall 2018 to Fall 2019	Unit Ratio Fall 2018 to Fall 2019
West LA	231		58	173	2.983
African American	60		14	46	3.286
Hispanic	138		31	107	3.452

West LA College Mathematics Hispanic Students

- 138 additional Hispanic students took a transfer level Mathematics Course from Fall 2018 (Pre AB705) to Fall 2019 (AB705).
- 31 additional Hispanic students succeeded which is known as throughput.
- 107 additional Hispanic students did not get through. The complement of throughput. This is what is never mentioned about AB705!
- These were the “best prepared Hispanic students” under multiple measures of AB705.

3.5 NON-SUCCESSSES
1 SUCCESS

WEST LA MATH

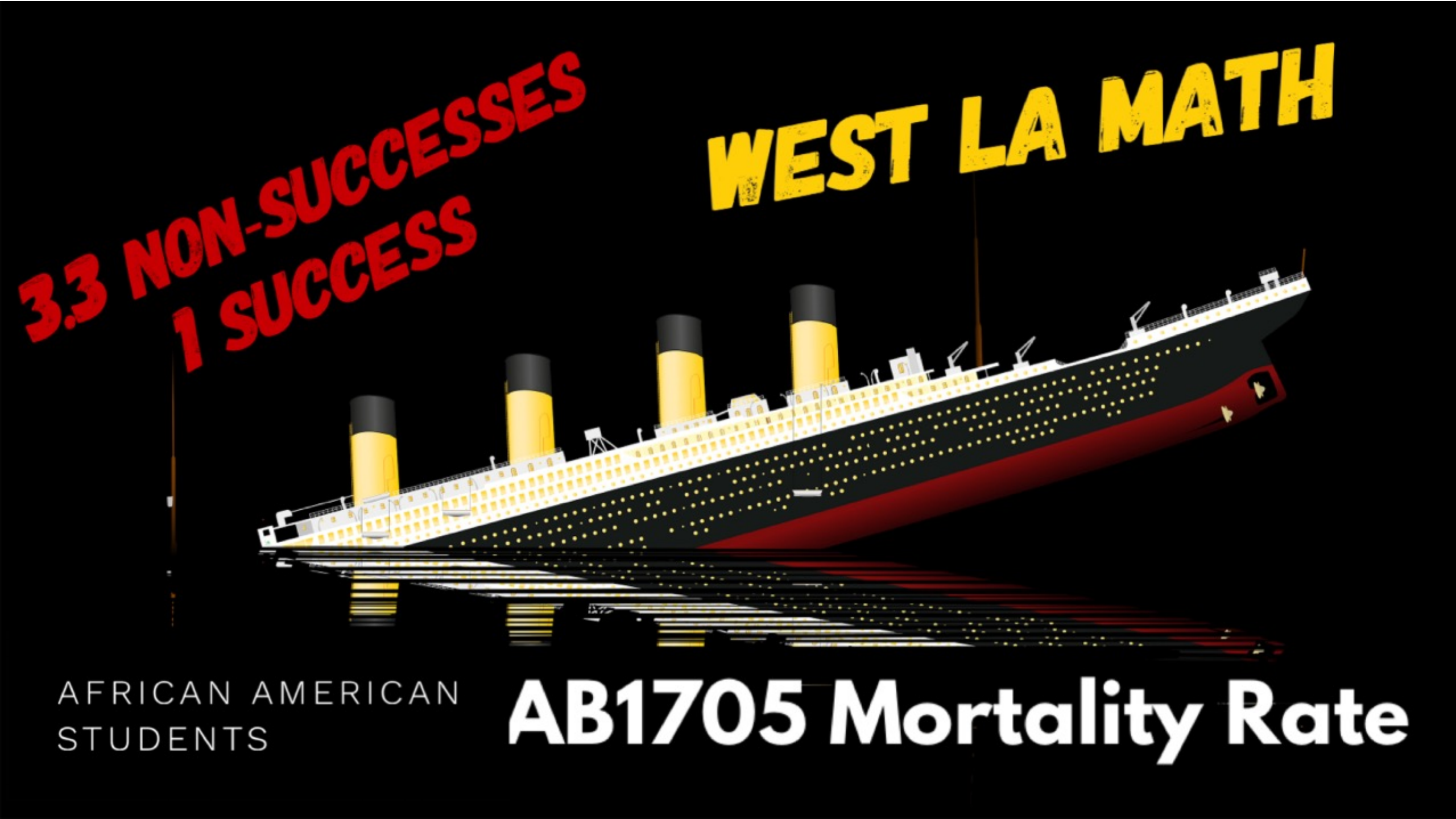


HISPANIC
STUDENTS

AB1705 Mortality Rate

West LA College Mathematics African American Students

- 60 additional African American students took a transfer level Mathematics Course from Fall 2018 (Pre AB705) to Fall 2019 (AB705).
- 14 additional African American students succeeded which is known as throughput. Assume a throughput of 1.
- 46 additional African American students did not get through. The complement of throughput. This is what is never mentioned about AB705!
- These were the “best prepared African American students” under multiple measures of AB705.



3.3 NON-SUCCESSSES
1 SUCCESS

WEST LA MATH

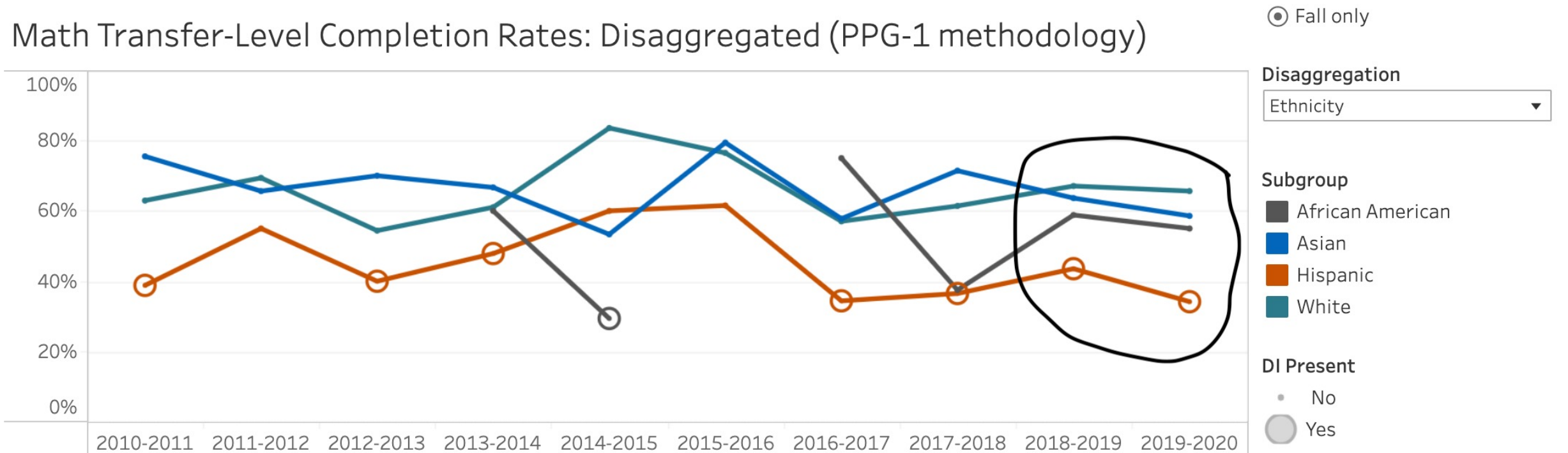
AFRICAN AMERICAN
STUDENTS

AB1705 Mortality Rate

West LA College Mathematics

- Declining Success Rates
- Increased Equity Gaps

Math Transfer-Level Completion Rates: Disaggregated (PPG-1 methodology)



LA Valley College Mathematics

College	Cohort Size	Fall 2018 Pre AB705 Successful Transfer Level Math Completion Rates	Fall 2018 Pre AB705 Successful Transfer Level Math Throughput	Fall 2018 Pre AB705 Complement Throughout	Fall 2018 Pre AB705 Unit Ratio Complete to Non Complete
LA Valley	568	53%	303	265	0.875
African American	17	59%	10	7	0.700
Hispanic	303	44%	132	171	1.295
College	Cohort Size	Fall 2019 AB705 Successful Transfer Level Math Completion Rates	Fall 2019 AB705 Successful Transfer Level Math Throughput	Fall 2019 AB705 Complement Throughout	Fall 2019 AB705 Unit Ratio Complete to Non Complete
LA Valley	1029	44%	456	573	1.257
African American	40	55%	22	18	0.818
Hispanic	623	34%	213	410	1.925
	Additional Hispanic Students Fall 2018 to Fall 2019		Additional Successful Completions Fall 2018 to Fall 2019	Additional Unsuccessful Completions Fall 2018 to Fall 2019	Unit Ratio Fall 2018 to Fall 2019
LA Valley	461		153	308	2.013
African American	23		12	11	0.917
Hispanic	320		81	239	2.951

LA Valley College Mathematics Hispanic Students

- 320 additional Hispanic students took a transfer level Mathematics Course from Fall 2018 (Pre AB705) to Fall 2019 (AB705).
- 81 additional Hispanic students succeeded which is known as throughput.
- 239 additional Hispanic students did not get through. The complement of throughput. This is what is never mentioned about AB705!
- These were the “best prepared Hispanic students” under multiple measures of AB705.

3 NON-SUCCESSSES
1 SUCCESS

LA VALLEY MATH



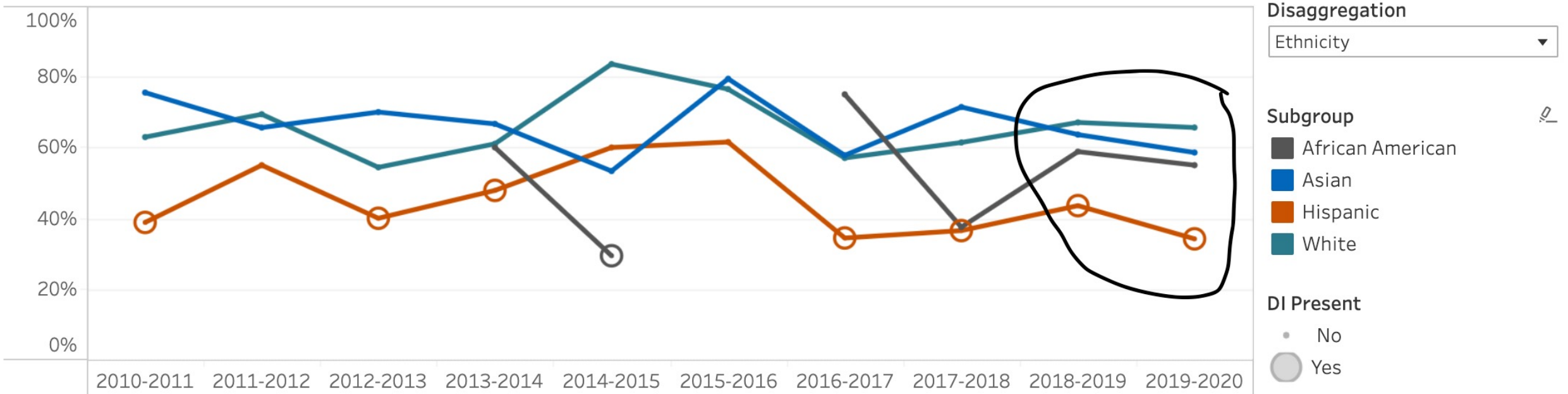
HISPANIC
STUDENTS

AB1705 Mortality Rate

LA Valley College Mathematics

- Declining Success Rates
- Increased Equity Gaps

Math Transfer-Level Completion Rates: Disaggregated (PPG-1 methodology)



LA Southwest College Mathematics

College	Cohort Size	Fall 2018 Pre AB705 Successful Transfer Level Math Completion Rates	Fall 2018	Fall 2018 Pre AB705 Complement Throughout	Fall 2018 Pre AB705 Unit Ratio Complete to Non Complete
			Pre AB705 Successful Transfer Level Math Throughput		
LA Southwest	96	65%	62	34	0.548
African American	32	53%	17	15	0.882
Hispanic	52	69%	36	16	0.444
College	Cohort Size	Fall 2019 AB705 Successful Transfer Level Math Completion Rates	Fall 2019	Fall 2019 AB705 Complement Throughout	Fall 2019 AB705 Unit Ratio Complete to Non Complete
			AB705 Successful Transfer Level Math Throughput		
LA Southwest	513	37%	191	322	1.686
African American	150	39%	58	92	1.586
Hispanic	326	36%	117	209	1.786
	Additional Hispanic Students		Additional Successful Completions	Additional Unsuccessful Completions	Unit Ratio
	Fall 2018 to Fall 2019		Fall 2018 to Fall 2019	Fall 2018 to Fall 2019	
LA Southwest	417		129	288	2.233
African American	118		41	77	1.878
Hispanic	274		81	193	2.383

LA Southwest College Mathematics Hispanic Students

- 274 additional Hispanic students took a transfer level Mathematics Course from Fall 2018 (Pre AB705) to Fall 2019 (AB705).
- 81 additional Hispanic students succeeded which is known as throughput.
- 193 additional Hispanic students did not get through. The complement of throughput. This is what is never mentioned about AB705!
- These were the “best prepared Hispanic students” under multiple measures of AB705.



2.4 NON-SUCCESSSES
1 SUCCESS

LA SOUTHWEST MATH

HISPANIC
STUDENTS

AB1705 Mortality Rate

LA Southwest College Mathematics African American Students

- 118 additional African American students took a transfer level Mathematics Course from Fall 2018 (Pre AB705) to Fall 2019 (AB705).
- 41 additional African American students succeeded which is known as throughput.
- 77 additional African American students did not get through. The complement of throughput. This is what is never mentioned about AB705!
- These were the “best prepared African American students” under multiple measures of AB705.

**1.9 NON-SUCCESSSES
1 SUCCESS**

LA SOUTHWEST MATH



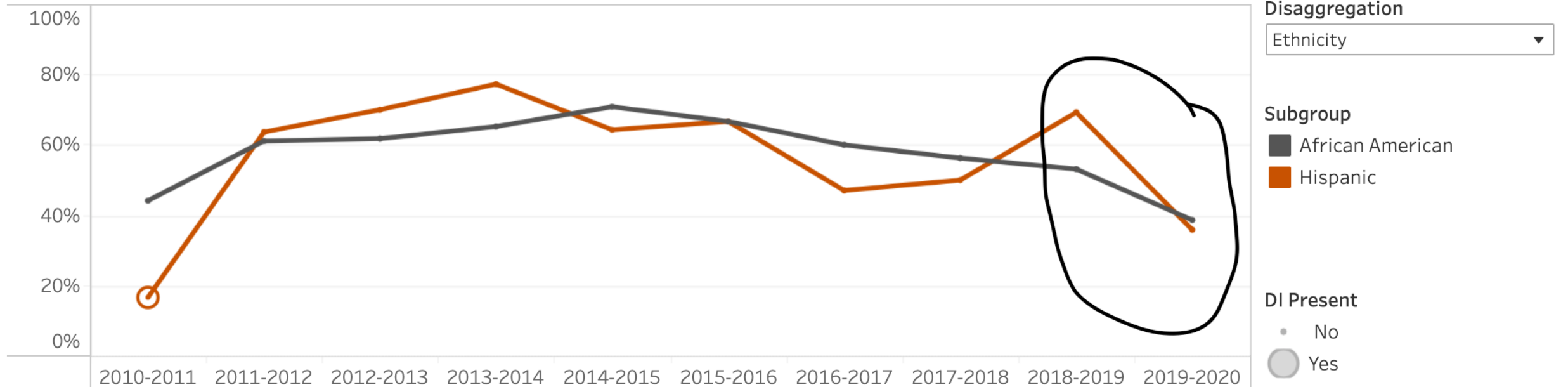
AFRICAN AMERICAN
STUDENTS

AB1705 Mortality Rate

LA Southwest College Mathematics

- Declining Success Rates
- Increased Equity Gaps

Math Transfer-Level Completion Rates: Disaggregated (PPG-1 methodology)



LA Trade College Mathematics

College	Cohort Size	Fall 2018 Pre AB705 Successful Transfer Level Math Completion Rates	Fall 2018 Pre AB705 Successful Transfer Level Math Throughput	Fall 2018 Pre AB705 Complement Throughout	Fall 2018 Pre AB705 Unit Ratio Complete to Non Complete
LA Trade Tech	202	46%	93	109	1.172
African American	19	42%	8	11	1.375
Hispanic	154	58%	65	89	1.369
College	Cohort Size	Fall 2019 AB705 Successful Transfer Level Math Completion Rates	Fall 2019 AB705 Successful Transfer Level Math Throughput	Fall 2019 AB705 Complement Throughout	Fall 2019 AB705 Unit Ratio Complete to Non Complete
LA Trade Tech	266	39%	104	162	1.558
African American	34	26%	9	25	2.778
Hispanic	201	40%	81	120	1.481
	Additional Hispanic Students Fall 2018 to Fall 2019		Additional Successful Completions Fall 2018 to Fall 2019	Additional Unsuccessful Completions Fall 2018 to Fall 2019	Unit Ratio Fall 2018 to Fall 2019
LA Trade Tech	64		11	53	4.818
African American	15		1	14	14.000
Hispanic	47		16	31	1.938

LA Trade College Mathematics Hispanic Students

- 47 additional Hispanic students took a transfer level Mathematics Course from Fall 2018 (Pre AB705) to Fall 2019 (AB705).
- 16 additional Hispanic students succeeded which is known as throughput.
- 31 additional Hispanic students did not get through. The complement of throughput. This is what is never mentioned about AB705!
- These were the “best prepared Hispanic students” under multiple measures of AB705.

1.9 NON-SUCCESSSES
1 SUCCESS

LA TRADE MATH



HISPANIC
STUDENTS

AB1705 Mortality Rate

LA Trade College Mathematics African American Students

- 15 additional African American students took a transfer level Mathematics Course from Fall 2018 (Pre AB705) to Fall 2019 (AB705).
- 1 additional African American student succeeded which is known as throughput.
- 14 additional African American students did not get through. The complement of throughput. This is what is never mentioned about AB705!
- These were the “best prepared African American students” under multiple measures of AB705.

14 NON-SUCCESSSES
1 SUCCESS

LA TRADE MATH



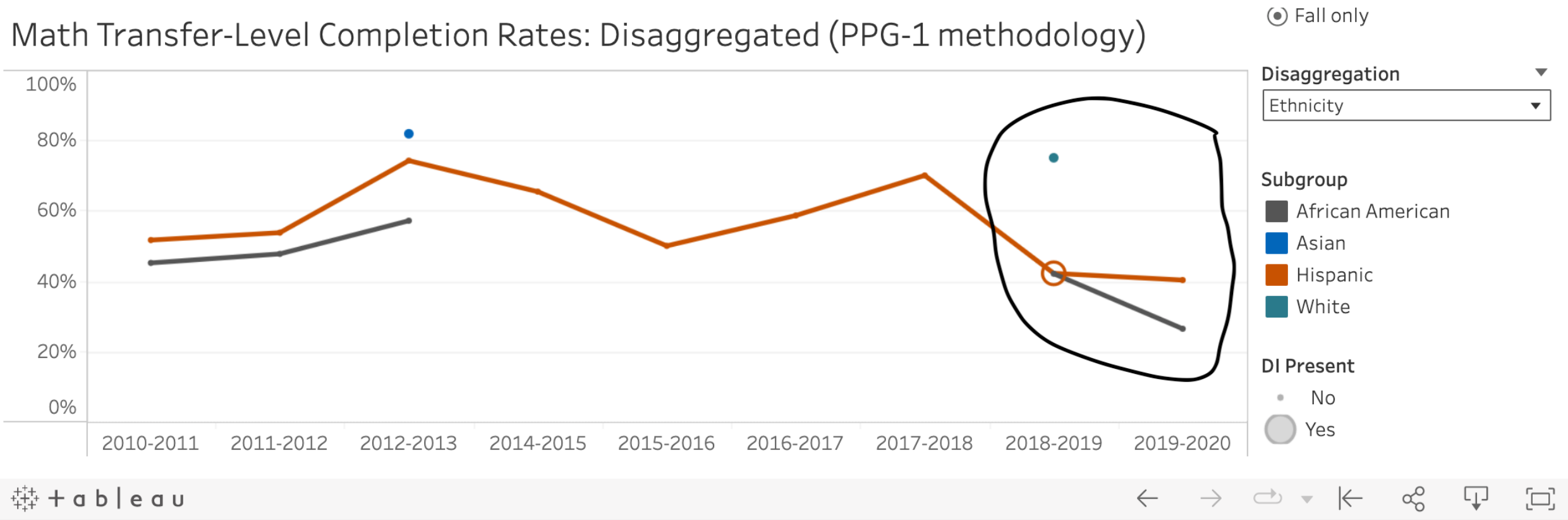
AFRICAN AMERICAN
STUDENTS

AB1705 Mortality Rate

LA Trade College Mathematics

- Declining Success Rates
- Increased Equity Gaps

Math Transfer-Level Completion Rates: Disaggregated (PPG-1 methodology)

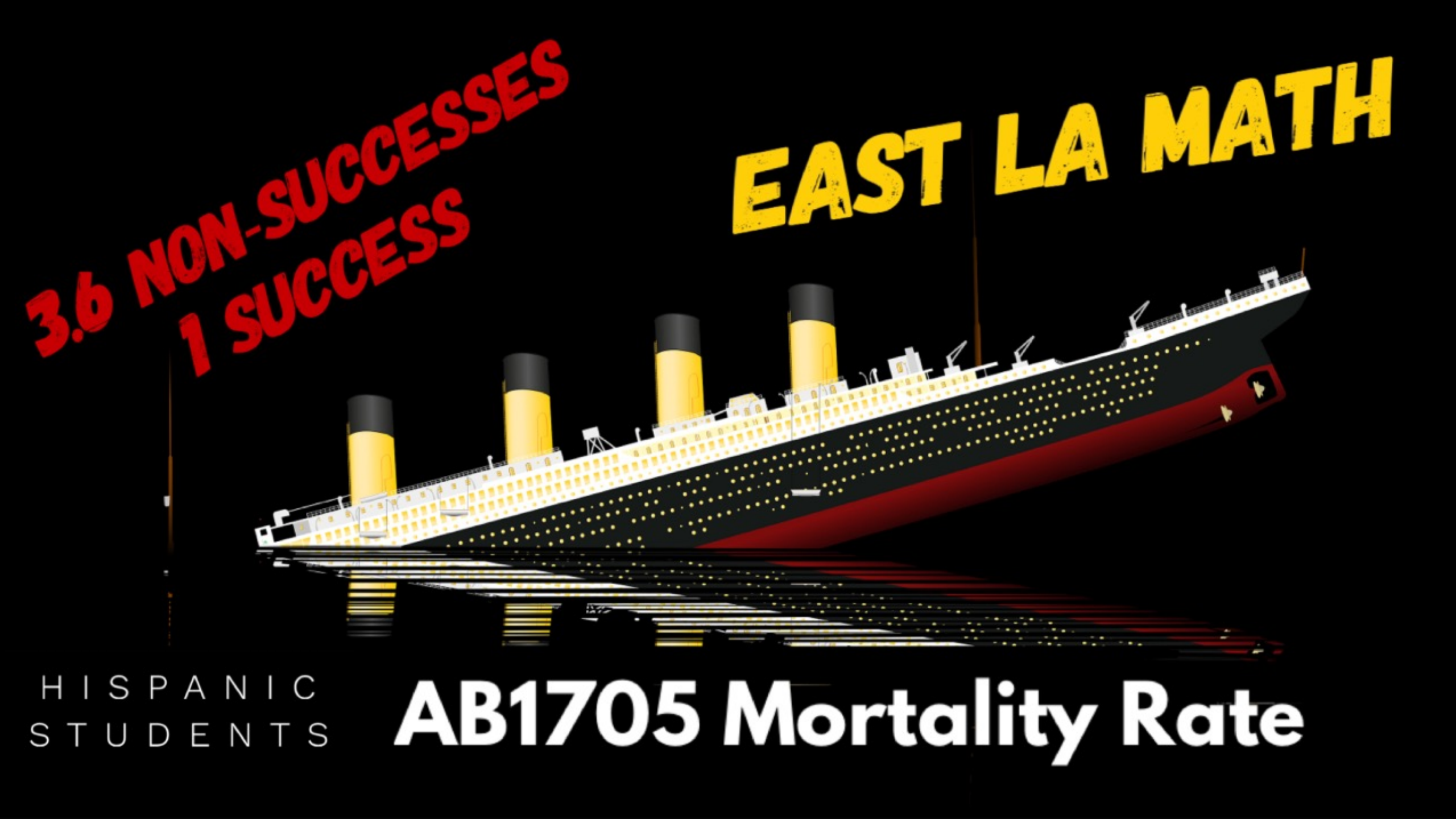


East LA College Mathematics

College	Cohort Size	Fall 2018 Pre AB705 Successful Transfer Level Math Completion Rates	Fall 2018 Pre AB705 Successful Transfer Level Math Throughput	Fall 2018 Pre AB705 Complement Throughout	Fall 2018 Pre AB705 Unit Ratio Complete to Non Complete
East	743	52%	389	354	0.910
African American	16	19%	3	13	4.333
Hispanic	502	44%	219	283	1.292
College	Cohort Size	Fall 2019 AB705 Successful Transfer Level Math Completion Rates	Fall 2019 AB705 Successful Transfer Level Math Throughput	Fall 2019 AB705 Complement Throughout	Fall 2019 AB705 Unit Ratio Complete to Non Complete
East	1311	41%	531	780	1.469
African American	16	44%	7	9	1.286
Hispanic	1041	32%	335	706	2.107
	Additional Hispanic Students Fall 2018 to Fall 2019		Additional Successful Completions Fall 2018 to Fall 2019	Additional Unsuccessful Completions Fall 2018 to Fall 2019	Unit Ratio Fall 2018 to Fall 2019
East	568		142	426	3
African American	0		4	-4	NA
Hispanic	539		116	423	3.647

East LA College Mathematics Hispanic Students

- 539 additional Hispanic students took a transfer level Mathematics Course from Fall 2018 (Pre AB705) to Fall 2019 (AB705).
- 116 additional Hispanic students succeeded which is known as throughput.
- 423 additional Hispanic students did not get through. The complement of throughput. This is what is never mentioned about AB705!
- These were the “best prepared Hispanic students” under multiple measures of AB705.



3.6 NON-SUCCESSSES
1 SUCCESS

EAST LA MATH

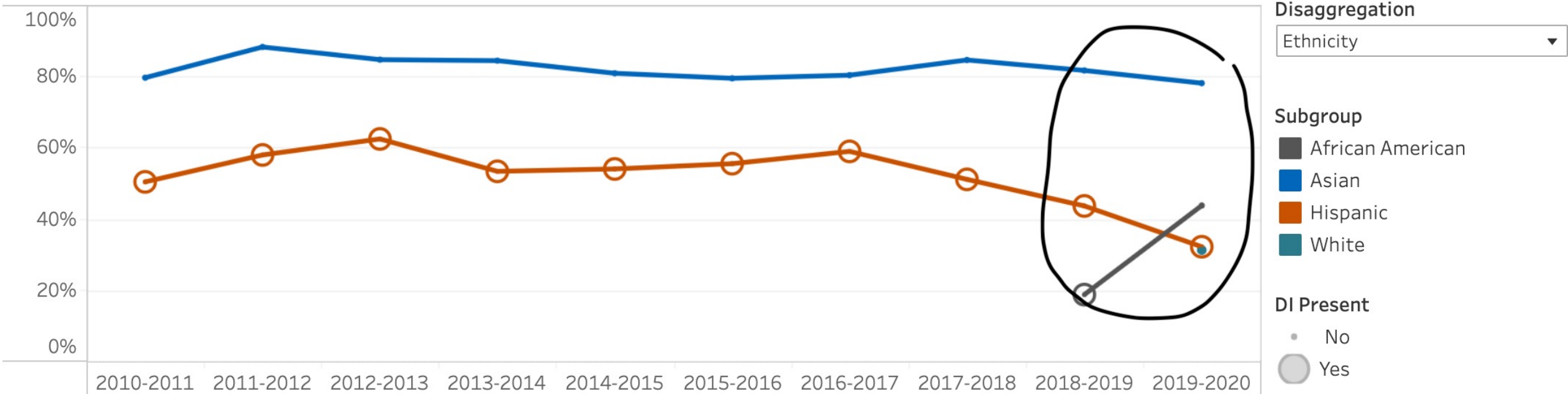
HISPANIC
STUDENTS

AB1705 Mortality Rate

East LA College Mathematics

- Declining Success Rates
- Increased Equity Gaps

Math Transfer-Level Completion Rates: Disaggregated (PPG-1 methodology)



LA Pierce College Mathematics

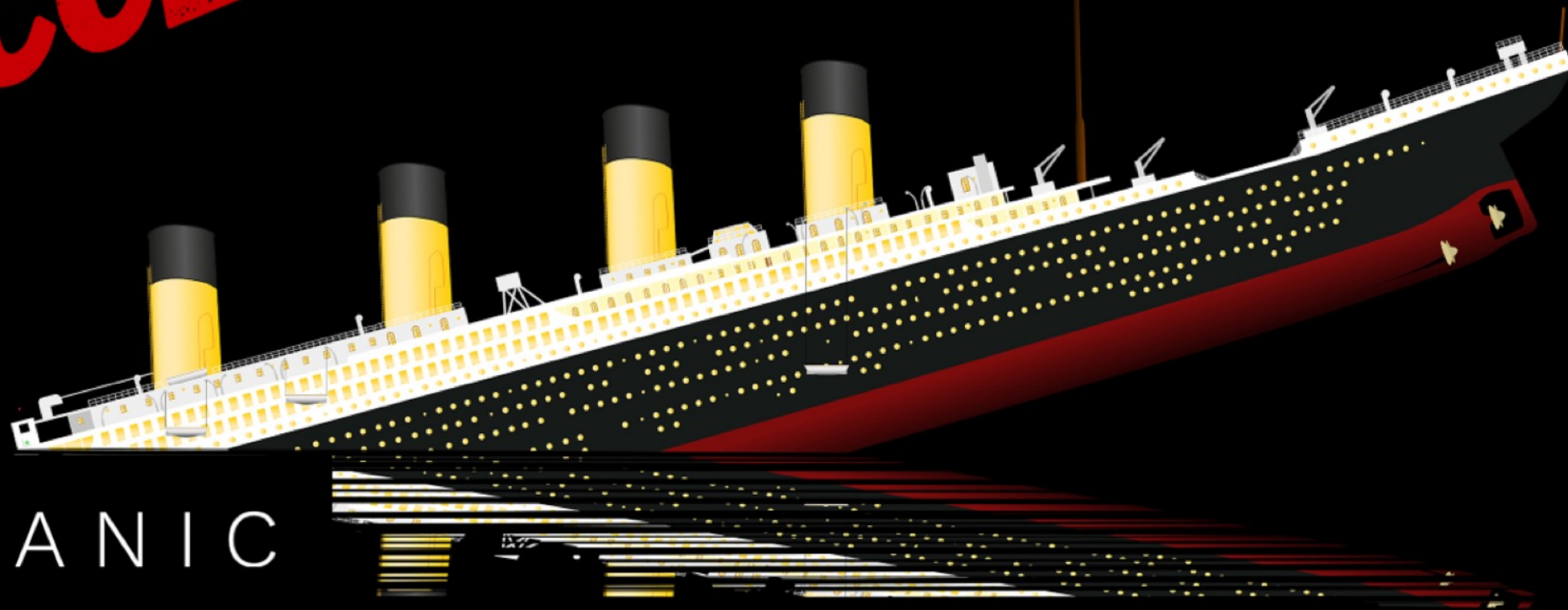
College	Cohort Size	Fall 2018 Pre AB705 Successful Transfer Level Math Completion Rates	Fall 2018 Pre AB705 Successful Transfer Level Math Throughput	Fall 2018 Pre AB705 Complement Throughout	Fall 2018 Pre AB705 Unit Ratio Complete to Non Complete
LA Pierce	669	63%	419	250	0.597
African American	22	50%	11	11	1.000
Hispanic	268	50%	134	134	1.000
College	Cohort Size	Fall 2019 AB705 Successful Transfer Level Math Completion Rates	Fall 2019 AB705 Successful Transfer Level Math Throughput	Fall 2019 AB705 Complement Throughout	Fall 2019 AB705 Unit Ratio Complete to Non Complete
LA Pierce	1673	48%	798	875	1.096
African American	75	32%	24	51	2.125
Hispanic	879	36%	318	561	1.764
	Additional Hispanic Students Fall 2018 to Fall 2019		Additional Successful Completions Fall 2018 to Fall 2019	Additional Unsuccessful Completions Fall 2018 to Fall 2019	Unit Ratio Fall 2018 to Fall 2019
LA Pierce	1004		379	625	1.649
African American	53		13	40	3.077
Hispanic	611		184	427	2.321

LA Pierce College Mathematics Hispanic Students

- 611 additional Hispanic students took a transfer level Mathematics Course from Fall 2018 (Pre AB705) to Fall 2019 (AB705).
- 184 additional Hispanic students succeeded which is known as throughput.
- 427 additional Hispanic students did not get through. The complement of throughput. This is what is never mentioned about AB705!
- These were the “best prepared Hispanic students” under multiple measures of AB705.

2.3 NON-SUCCESSSES
1 SUCCESS

LA PIERCE MATH



HISPANIC
STUDENTS

AB1705 Mortality Rate

LA Pierce College Mathematics African American Students

- 53 additional African American students took a transfer level Mathematics Course from Fall 2018 (Pre AB705) to Fall 2019 (AB705).
- 13 additional African American students succeeded which is known as throughput.
- 40 additional African American students did not get through. The complement of throughput. This is what is never mentioned about AB705!
- These were the “best prepared African American students” under multiple measures of AB705.



3 NON-SUCCESSSES
1 SUCCESS

LA PIERCE MATH

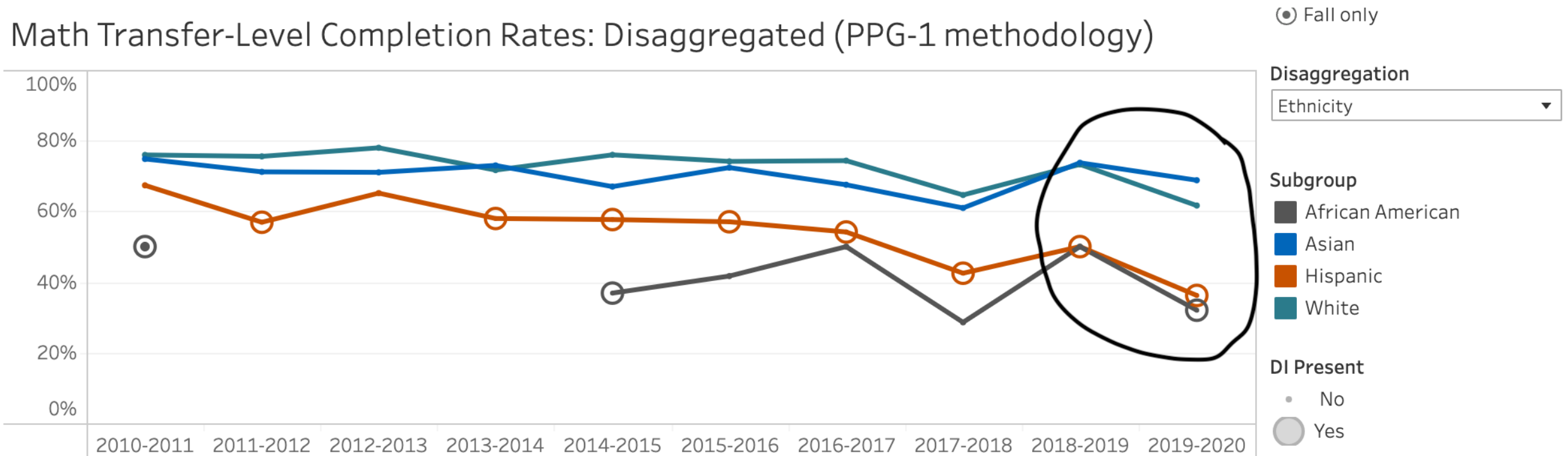
AFRICAN AMERICAN
STUDENTS

AB1705 Mortality Rate

LA Pierce College Mathematics

- Declining Success Rates
- Increased Equity Gaps

Math Transfer-Level Completion Rates: Disaggregated (PPG-1 methodology)



What Can We Conclude About AB1705?

- This presentation assumed the best prepared students based on multiple measures and **does not include drops before census**.
- Learning loss will greatly compound the ratios with decreased student success and increased equity gaps.
- AB1705 will eliminate pre-transfer Mathematics and English courses which will impact our ability to serve lifelong learners, Veteran's, and Disabled Students.

AB1705 Give Students Choice!

One of the greatest things in life is that no one has the authority to tell you what you want to be. You're the one who'll decide what you want to be.

Jaime Escalante

Jaime Escalante

quote fancy

Dedicated to my students, my mentor Jaime Escalante,
and my grandfather Arturo S Almanza.

May 13, 2022