

# De Anza College Office of Institutional Research and Planning

**To:** AB 705 Committee

**From:** Mallory Newell, De Anza Researcher

**Date:** 2/7/2019

**Subject:** Analysis of Success, Withdraw and Drop Rates after AB705 Changes - Fall 2018

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This analysis compares success, withdraw and drop rates in EWRT1A, LART250, MATH10 and MATH41 courses each fall over the past 5 years. Rates are disaggregated by modality (face to face, online, hybrid) and Math Performance Success (MPS) sections. Overall rates as well as those disaggregated by ethnicity and gender are included.

Success rates include A, B, C, and P grades. Withdraw are students who withdrew from the course after census through week 8 and received a W grade. Drops are for students who registered for the course at any time and dropped the course before census. The drop was still counted even if the student enrolled in a different section of the same course. An analysis of placement, enrollment and disproportionate impacts for fall 2018 can be found [here](#).

## Summary of Results

**Table 1. Summary of Success, Drops and Withdraws**

	Change from prior year		
	Success	Drops	Withdraws
EWRT1A	+1%	-2%	-1%
MATH10	0%	0%	-3%
MATH41	+5%	+1%	-4%

EWRT1A enrollment excludes students simultaneously enrolled in LART250 sections in fall 2018.

EWRT1A also excludes 23 students who did not receive a grade. MATH10 excludes 2 online sections in fall 2018 due to small sample sizes.

- Overall success rates improved or remained consistent between fall 2017 and fall 2018.
- Overall, there were small shifts in drops prior to census. Students who dropped the course before census decreased for EWRT1A by 2 percentage points, remained flat for MATH 10 and increased 1 percentage point for MATH41.
- Overall withdrawals from the course after census through week 7 decreased for all courses.
- Overall, successful completions of MATH10 and EWRT1A increased from fall 2017 to fall 2018
  - +398 successful completions of MATH10 – from 658 to 1,056 successful completions
  - +218 successful completions of EWRT1A – from 1,196 to 1,414 successful completions
  - +55 successful completions of MATH41 – from 462 to 517 successful completions

**Table 2. Summary of Success and Withdraws – by Targeted Ethnic Groups**

		Change from prior year	
		Success	Withdraws
EWRT1A	Af. American	+8%	-15%
	Filipinx	+4	-5%
	Latinx	0%	0%
MATH10	Af. American	+8%	-3%
	Filipinx	-8%	+3%
	Latinx	-1%	-3%
MATH41	Af. American	+11%	+2%
	Filipinx	+12%	-11%
	Latinx	+7%	-13%

- The overall trend for success rates for targeted groups in EWRT1A was an improvement in success rates, and an overall decrease in withdraw rates for targeted groups.
- Success rates for MATH10 increased for African American students, decreased for Filipinx students and remained flat for Latinx students. Success rates for MATH41 improved for all targeted groups.
- Withdraw rates for EWRT1A decreased for targeted groups overall, while withdraw rates decreased for MATH10 for African American and Latinx students but they increased for Filipinx students by 3 percentage points. Withdraw rates for MATH41 decreased with the exception of African American students increasing by 2 percentage points.

**Table 3. Summary of Success and Withdraws – by EOPS Students**

Difference in Success Rates		
EOPS vs. Non EOPS		
	2017	2018
EWRT1A	+6%	+5%
MATH10	+8%	+9%
MATH41	+17%	-2%

No DSPS data was submitted in fall 2018.

- In fall 2017, success rates for EOPS students compared to non-EOPS students in all courses were higher for EOPS students when compared to their non-EOPS counterparts.
- In fall 2018, success rates for EOPS students were higher than their non-EOPS students in EWRT1A and MATH10 but 2 percentage points lower in MATH41.

## Results

### EWRT1A

**Table 4. EWRT1A – Success, Drop, and Withdraw Rates**

Enrollment	Success	%	Drop	%	Withdraw	%
	Count	Success	Count	Drops	Count	Withdraw
1,600	1,292	81%	175	10%	152	10%
1,537	1,246	81%	157	9%	132	9%
1,541	1,197	78%	144	9%	147	10%
1,492	1,196	80%	179	11%	146	10%
1,749	1,414	81%	169	9%	154	9%

Fall 2018 excludes 128 students simultaneously enrolled in LART250 and 23 students who did not receive a grade in EWRT1A.

- Overall, there was not much variation in success, drop or withdraw rates from fall 2017 to fall 2018 when comparing fluctuations over the past 5 years.
  - Enrollment in EWRT1A between fall 2017 and fall 2018 increased 17% from 1,492 to 1,749.
  - Success rates increased by 1 percentage point from 80% to 81% while the percent of students who dropped the course decreased 2 percentage points from 11% to 9% and students who withdrew decreased 1 percentage point from 10% to 9%.
  - Further, an additional +218 students successfully completed EWRT1A in fall 2018 compared to fall 2017 from 1,196 successful completions to 1,414 successful completions.

**Table 5. LART250 – Success, Drop, and Withdraw Rates**

	Enrollment	Success	%	Drop	%	Withdraw	%	
		Count	Success	Count	Drops	Count	Withdraw	
Fall 2018	EWRT1A	128	82	64%	5	4%	13	10%
	LART250	128	101	79%	5	4%	13	10%

- Success rates for students enrolled in EWRT1A + LART250 varied based on the course, with a 79% success rate in LART250 and a 64% success rate in EWRT1A.

**Table 6. EWRT1A - Drop and Withdraw Rates by Modality**

Mode	Term	Enrollment	Success	% Success	Drop Count	% Drops	Withdraw Count	% Withdraw
Face to Face	Fall 2014	1,257	1,028	82%	135	10%	114	9%
	Fall 2015	1,236	1,015	82%	106	8%	90	7%
	Fall 2016	1,093	882	81%	88	7%	87	8%
	Fall 2017	1,066	869	82%	111	9%	87	8%
	Fall 2018	1,217	1,001	82%	101	8%	85	7%
Hybrid	Fall 2014	195	147	75%	13	6%	25	13%
	Fall 2015	136	113	83%	6	4%	15	11%
	Fall 2016	212	152	72%	20	9%	21	10%
	Fall 2017	217	181	83%	25	10%	21	10%
	Fall 2018	279	220	79%	25	8%	33	12%
Online	Fall 2014	148	117	79%	27	15%	13	9%
	Fall 2015	165	118	72%	45	21%	27	16%
	Fall 2016	236	163	69%	36	13%	39	17%
	Fall 2017	209	146	70%	43	17%	38	18%
	Fall 2018	253	193	76%	43	15%	36	14%

Fall 2018 excludes 128 students simultaneously enrolled in LART250 and 23 students who did not receive a grade in EWRT1A.

- Success rates for face to face sections remained unchanged at 82% while hybrid sections decreased by 4 percentage points from 83% to 79% and online sections success rates improved by 6 percentage points from 70% to 76%.
- Drop rates for EWRT1A in face to face sections from fall 2017 to fall 2018 decreased from 9% to 8% while withdraw rates in face to face sections also decreased from 8% to 7%.
- For hybrid sections, drop rates decreased from 10% to 8% from fall 2017 to fall 2018, though withdraw rates increased from 10% to 12%.
- For online sections, drop rates decreased from 21% to 17% from fall 2017 to fall 2018 and withdraw rates decreased from 17% to 15%.

**Table 7. EWRT1A - Success Rates**

	Success		Non Success		Withdraw		Total	
	Grades	Percent	Grades	Percent	Grades	Percent	Grades	Percent
Fall 2014	1,292	81%	156	10%	152	10%	1,600	100%
Fall 2015	1,246	81%	159	10%	132	9%	1,537	100%
Fall 2016	1,197	78%	197	13%	147	10%	1,541	100%
Fall 2017	1,196	80%	150	10%	146	10%	1,492	100%
Fall 2018	1,414	81%	181	10%	154	9%	1,749	100%

- Success, non success and withdrawal rates remained rather consistent when looking at the overall 5 year trends.
  - Success rates from fall 2017 to fall 2018 increased 1 percentage point from 80% to 81%, non success rates remained stable at 10% and withdrawal rates improved by 1 percentage point from 10% to 9%.

**Table 8. EWRT1A + LART250 - Success Rates**

	Success		Non Success		Withdraw		Total	
	Grades	Percent	Grades	Percent	Grades	Percent	Grades	Percent
EWRT1A	82	64%	33	26%	13	10%	128	100%
LART250	101	79%	5	4%	13	13%	128	100%

- Success rates in EWRT1A with a LART250 corerequisite were lower than overall EWRT1A success rates at 64% for EWRT1A and 79% for LART250. Twenty-eight students passed the corequisite but did not pass the transfer-level course.

**Table 9. EWRT1A – Success and Withdraw Rates by Ethnicity**

	Term	Enrollment	Success	%	Withdraw	%
			Count	Success	Count	Withdraw
African American	Fall 2017	63	42	67%	14	22%
American	Fall 2018	58	44	76%	5	7%
Asian	Fall 2017	593	524	88%	34	6%
	Fall 2018	761	669	88%	38	5%
Filipinx	Fall 2017	126	97	77%	14	11%
	Fall 2018	159	128	81%	11	6%
Latinx	Fall 2017	393	278	71%	54	14%
	Fall 2018	484	342	71%	68	14%
Native American	Fall 2017	5	5	100%	0	0%
	Fall 2018	6	3	50%	1	17%
Pacific Islander	Fall 2017	15	10	67%	3	20%
	Fall 2018	11	7	54%	3	23%
White	Fall 2017	279	227	81%	25	9%
	Fall 2018	255	208	82%	28	11%
Decline to State	Fall 2017	18	13	72%	2	11%
	Fall 2018	15	13	87%	0	0%

- Success rates within each ethnic group comparing fall 2017 to fall 2018 improved for African American, Filipinx, White and Decline to State, remained the same for Asian and Latinx students.
- Withdraw rates within each group improved with the exception of Whites students which increased from 9% to 11%.

**Table 10. EWRT1A – Success by EOPS Status**

		Enrollment	Success Count	% Success
Fall 2014	EOPS	67	58	87%
	Non EOPS	1,533	1,234	80%
Fall 2015	EOPS	55	43	78%
	Non EOPS	1,482	1,203	81%
Fall 2016	EOPS	56	45	80%
	Non EOPS	1,485	1,152	78%
Fall 2017	EOPS	72	62	86%
	Non EOPS	1,420	1,134	80%
Fall 2018	EOPS	63	54	86%
	Non EOPS	1,686	1,360	81%

DSPS student data was not submitted for fall 2018.

- When comparing EOPS students to non EOPS students in EWRT1A courses, EOPS students on average exhibit higher success rates than their counterparts. In fall 2018 this was also the case, 86% compared to 81% respectively.

**MATH10**

**Table 11. MATH10 - Success, Drop, and Withdraw Rates**

	Enrollment	Success Count	% Success	Drop Count	% Drops	Withdraw Count	% Withdraw
Fall 2014	1,170	741	63%	138	11%	212	18%
Fall 2015	1,075	710	66%	159	13%	151	14%
Fall 2016	1,045	648	62%	165	14%	201	19%
Fall 2017	1,038	658	63%	167	14%	203	20%
Fall 2018	1,680	1,056	63%	282	14%	287	17%

Fall 2018 excludes two online sections due to sample size.

- Overall, there was not much variation in success, drop or withdraw rates from fall 2017 to fall 2018 when comparing fluctuations over the past 5 years.
  - Enrollment in MATH10 between fall 2017 and fall 2018 increased 61% from 1,038 to 1,680.
  - Success rates remained at 63% from fall 2017 to fall 2018 while the percent of students who dropped the course remained consistent at 14%, and students who withdrew decreased 3 percentage points from 20% to 17%.

- Further, successful completions of MATH10 increased +398, from 658 successful completions in fall 2017 to 1,056 successful completions in fall 2018.

**Table 12. MATH10 - Drop and Withdraw Rates by Modality**

Mode	Term	Enrollment	Success		Drop Count	% Drops	Withdraw	
			Success	%			Count	%
Face to Face	Fall 2014	1,017	650	64%	103	9%	172	17%
	Fall 2015	947	637	67%	128	12%	133	14%
	Fall 2016	769	494	64%	109	12%	147	19%
	Fall 2017	858	566	66%	129	13%	152	18%
	Fall 2018	1,435	867	60%	257	15%	267	19%
MPS	Fall 2014	72	53	74%	4	5%	13	18%
	Fall 2015	50	36	72%	6	11%	5	10%
	Fall 2016	68	48	71%	4	6%	9	13%
	Fall 2017	64	48	75%	4	6%	6	9%
	Fall 2018	245	189	77%	25	9%	20	8%

Fall 2018 excludes two online sections due to sample size. Face to Face excludes MPS sections which are reported separately.

- Success rates for face to face sections decreased six percentage points from fall 2017 to fall 2018 from 66% to 60% while success rates for MPS sections increased 2 percentage points from 75% to 77%
- Drop rates for MATH10 for face to face sections remained rather consistent, but from fall 2017 to fall 2018 increased 2 percentage points from 13% to 15% while withdraw rates in face to face sections increased 1 percentage point from 18% to 19%.
- For MPS sections, drop and withdraw rates were very low compared to face to face sections, making the sample size for drops and withdraws within MPS were too small for comparison.

**Table 13. MATH10 - Success Rates**

	Success		Non Success		Withdraw		Total	
	Grades	Percent	Grades	Percent	Grades	Percent	Grades	Percent
Fall 2014	741	63%	217	19%	212	18%	1,170	100%
Fall 2015	710	66%	214	20%	151	14%	1,075	100%
Fall 2016	648	62%	196	19%	201	19%	1,045	100%
Fall 2017	658	63%	177	17%	203	20%	1,038	100%
Fall 2018	1,056	63%	337	20%	287	17%	1,680	100%



- Success, non success and withdraw rates overall were consistent over the past 5 years, however, non success rates did increase 3 percentage points from fall 2017 to fall 2018 while withdraw rates decreased 3 percentage points from 17% to 20%.

**Table 14. MATH10 – Success and Withdraw Rates by Ethnicity**

	Term	Enrollment	Success Count	% Success	Withdraw Count	% Withdraw
African American	Fall 2017	40	19	48%	8	20%
American	Fall 2018	71	40	56%	12	17%
Asian	Fall 2017	475	361	76%	57	12%
	Fall 2018	621	492	79%	63	10%
Filipinx	Fall 2017	84	51	61%	18	21%
	Fall 2018	141	73	52%	34	24%
Latinx	Fall 2017	278	133	48%	79	28%
	Fall 2018	586	274	47%	144	25%
Native American	Fall 2017	3	0	0%	1	33%
	Fall 2018	6	4	67%	1	17%
Pacific Islander	Fall 2017	7	4	57%	1	14%
	Fall 2018	9	4	44%	1	11%
White	Fall 2017	138	80	58%	37	27%
	Fall 2018	232	156	67%	32	14%
Decline to State	Fall 2017	13	10	77%	2	15%
	Fall 2018	14	13	93%	1	7%

- Success rates within each ethnic group comparing fall 2017 to fall 2018 improved for African American, Asian and White students, while it decreased for and Latinx students.
- Withdraw rates improved for African American, Asian, Latinx, and White students, but increased for Filipinx students.

**Table 15. MATH10 – Success by EOPS Status**

		Enrollment	Success Count	% Success	Withdraw Count	% Withdraw
Fall 2014	EOPS	54	33	61%	13	24%
	Non EOPS	1,116	708	63%	199	18%
Fall 2015	EOPS	68	47	69%	8	12%
	Non EOPS	1,007	663	66%	143	14%
Fall 2016	EOPS	60	37	62%	11	18%
	Non EOPS	985	611	62%	190	19%
Fall 2017	EOPS	56	40	71%	9	16%
	Non EOPS	982	618	63%	194	20%
Fall 2018	EOPS	50	36	72%	7	14%
	Non EOPS	1,630	1,020	63%	280	17%

No DSPS students were enrolled in MATH10 in fall 2018.

- When comparing EOPS students to non EOPS students in MATH10 courses, EOPS students overall exhibit higher success rates than their counterparts on average. In fall 2018, EOPS students had a success rate of 72% compared to their non-EOPS counterparts at 63% success.

**Table 16. MATH10 – Success by EOPS Status and MPS Course – Fall 2018**

	Success	% Success	Non Success	% Non Success	Withdraw Count	% Withdraw	Total	% Total
Non MPS	27	84%	3	9%	2	6%	32	100%
MPS	10	56%	3	17%	5	28%	18	100%

Eighteen EOPS students were enrolled in an MPS section of MATH10 in fall 2018:

- EOPS students enrolled in a non MPS sections surprisingly had higher success rates than EOPS students enrolled in a MPS sections, 56% compared to 84%.

**MATH41**

**Table 17. MATH41 - Success, Drop, and Withdraw Rates**

	Enrollment	Success	% Success	Drop Count	% Drops	Withdraw Count	% Withdraw
Fall 2014	682	411	60%	85	11%	115	17%
Fall 2015	698	462	66%	91	12%	99	14%
Fall 2016	704	392	56%	101	13%	137	19%
Fall 2017	746	462	62%	84	10%	143	19%
Fall 2018	775	517	67%	100	11%	114	15%

- Overall, there was not much variation in success, drop or withdraw rates from fall 2017 to fall 2018 when comparing fluctuations over the past 5 years.
  - Enrollment in MATH41 between fall 2017 and fall 2018 increased 4% and increased 14% from fall 2014.
  - Success rates increased to 67% from 62% in fall 2017 while the percent of students who dropped the course increased 1 percentage point from 10% to 11% and students who withdrew decreased 4 percentage point from 19% to 15%.

**Table 18. MATH41 - Success Rates**

	Success		Non Success		Withdraw		Total	
	Grades	Percent	Grades	Percent	Grades	Percent	Grades	Percent
Fall 2014	411	60%	156	23%	115	17%	682	100%
Fall 2015	462	66%	137	20%	99	14%	698	100%
Fall 2016	392	56%	175	25%	137	19%	704	100%
Fall 2017	462	62%	141	19%	143	19%	746	100%
Fall 2018	517	67%	144	19%	114	15%	775	100%

- Success, non success and withdraw rates overall were very consistent over the past 5 years as well as non success rates, however, success rates improved 5 percentage points from fall 2017 to fall 2018, while withdraw rates decreased 4 percentage points.
- Further, +55 additional students successfully completed MATH41 in fall 2018 compared to fall 2017 from 462 successful completions to 517 successful completions.

**Table 19. MATH41 - Success Rates – Fall 2018 by Modality**

Mode	Enrollment	Success	% Success	Non Success	% Non Success	Withdraw Count	% Withdraw
Non MPS	711	464	65%	134	19%	112	16%
MPS	65	53	82%	10	15%	1	3%
Total	776	517	67%	2144	19%	114	15%

- Success for 2 MPS sections in fall 2018 were 82% while the non-MPS sections were 65% for an overall success rate of 67%.

**Table 20. MATH41 – Success and Withdraw Rates by Ethnicity**

		Enrollment	Success Count	% Success	Withdraw Count	% Withdraw
African	Fall 2017	16	8	50%	5	31%
American	Fall 2018	18	11	61%	6	33%
Asian	Fall 2017	368	260	71%	52	14%
	Fall 2018	375	274	73%	47	13%
Filipinx	Fall 2017	51	30	59%	10	20%
	Fall 2018	55	39	71%	5	9%
Latinx	Fall 2017	173	75	43%	51	29%
	Fall 2018	181	91	50%	29	16%
Native American	Fall 2017	5	2	40%	1	20%
	Fall 2018	1	1	100%	0	0%
Pacific Islander	Fall 2017	4	1	25%	0	0%
	Fall 2018	4	1	25%	0	0%
White	Fall 2017	118	79	67%	24	20%
	Fall 2018	137	97	71%	27	20%
Decline to State	Fall 2017	11	7	64%	0	0%
	Fall 2018	4	3	75%	0	0%

- Success rates within each ethnic group comparing fall 2017 to fall 2018 improved for all ethnic groups. Withdraw rates improved overall as well.

**Table 21. MATH41 – Success and Withdraw Rates by Ethnicity and Modality**

		Success	% Success	Non Success	% Non Success	Withdraw Count	% Withdraw	Total	Total
Non MPS	Targeted	119	52%	68	30%	40	18%	228	100%
	Not Targeted	345	71%	66	14%	72	15%	483	100%
	Total	464	65%	134	19%	112	16%	711	100%
MPS	Targeted	23	77%	7	23%			30	100%
	Not Targeted	30	86%	3	9%	2	6%	35	100%
	Total	53	82%	10	15%	2	3%	65	100%
<b>Total</b>		<b>517</b>	<b>67%</b>	<b>144</b>	<b>19%</b>	<b>114</b>	<b>15%</b>	<b>776</b>	<b>100%</b>

Targeted = African American, Latinx, Filipinx and Pacific Islander, Not Targeted includes all else.

- Success rates for targeted groups was lower than non-targeted groups in face to face and MPS sections of MATH41, but the gap was 9% in MPS sections and 19% in non-MPS sections.

**Table 22. MATH41 – Success by EOPS Status**

		Enrollment	Success Count	% Success
Fall 2014	EOPS	20	15	75%
	Non EOPS	662	396	60%
Fall 2015	EOPS	33	27	82%
	Non EOPS	665	435	65%
Fall 2016	EOPS	42	23	55%
	Non EOPS	662	369	56%
Fall 2017	EOPS	45	35	78%
	Non EOPS	701	427	61%
Fall 2018	EOPS	40	26	65%
	Non EOPS	735	491	67%

No DSPS data was submitted in fall 2018. Withdraw counts were too small for comparison.

- When comparing EOPS students to non EOPS students in MATH41, EOPS students overall exhibit higher success rates than their counterparts on average. However, in fall 2018, EOPS students had a success rate 2 percentage points lower than their non-EOPS counterparts, 65% and 67% respectively.

## Throughput Rates – as Baseline Comparison Moving Forward

### EWRT

**Table 23. EWRT – Throughput Rates**

Course	Cohort		Fall Transfer		Winter Transfer		Spring Transfer	
			Course Completion	Course Completion	Course Completion	Course Completion		
EWRT 200	Fall 17	<b>176</b>	0	<b>0%</b>	3	<b>2%</b>	52	<b>29%</b>
	Fall 16	<b>195</b>	0	<b>0%</b>	1	<b>1%</b>	50	<b>25%</b>
EWRT 211	Fall 17	<b>637</b>	10	<b>2%</b>	253	<b>40%</b>	470	<b>74%</b>
	Fall 16	<b>649</b>	0	<b>0%</b>	205	<b>31%</b>	425	<b>65%</b>
EWRT 1A	Fall 17	<b>433</b>	379	<b>88%</b>	385	<b>89%</b>	388	<b>90%</b>
	Fall 16	<b>427</b>	355	<b>83%</b>	364	<b>85%</b>	373	<b>87%</b>

Throughput rates track first time students in each fall term and check to see if they successfully completed any transfer-level EWRT course over 3 quarters. Students who start directly in EWRT1A are tracked for three terms for successful completion of EWRT1A.

- Throughput rates for EWRT200 range from 25%-29%
- Throughput rates for EWRT211 range from 65%-74%
- Throughput rates for EWRT1A range from 87%-90%

### Math

**Table 24. MATH – Throughput Rates**

Course	Cohort		Fall Transfer		Winter Transfer		Spring Transfer	
			Course Completion	Course Completion	Course Completion	Course Completion		
MATH 210	Fall 17	<b>315</b>	0	<b>0%</b>	0	<b>0%</b>	0	<b>0%</b>
	Fall 16	<b>299</b>	0	<b>0%</b>	1	<b>0%</b>	3	<b>1%</b>
MATH 212	Fall 17	<b>578</b>	0	<b>0%</b>	2	<b>0%</b>	101	<b>17%</b>
	Fall 16	<b>606</b>	0	<b>0%</b>	2	<b>0%</b>	88	<b>15%</b>
MATH 114	Fall 17	<b>317</b>	1	<b>0%</b>	124	<b>39%</b>	168	<b>53%</b>
	Fall 16	<b>376</b>	1	<b>0%</b>	112	<b>30%</b>	148	<b>39%</b>
MATH 10	Fall 17	<b>102</b>	81	<b>79%</b>	85	<b>83%</b>	90	<b>88%</b>
	Fall 16	<b>93</b>	67	<b>72%</b>	71	<b>76%</b>	72	<b>77%</b>

Throughput rates track first time students in each fall term and check to see if they successfully completed any transfer-level math course over 3 quarters. Students who start directly in MATH10 are tracked for three terms for successful completion of MATH10.

- Throughput rates for MATH210 range from 0%-1%
- Throughput rates for MATH212 range from 15%-17%
- Throughput rates for MATH114 range from 39%-53%
- Throughput rates for MATH10 range from 77%-88%

## Background Information

In fall 2018 the English and Math departments began to change the way they place students into courses in compliance with AB 705. Students were placed via high school transcripts. Students with a 2.6 or higher were placed directly into EWRT1A. All students were eligible to enroll in MATH10 (Statistics), and students with a 3.4 GPA or a 2.6 and had enrolled in Calculus in high school were eligible to enroll in Math41 (Pre-calculus).

Math Performance Success (MPS) is a learning community for students in MATH10 and now MATH41. It requires students to enroll in a 10-unit course opposed to a 5 unit course. Success rates have historically been high for this learning community and the numbers of sections offered continues to expand.

It should be noted that the overall number of placements in fall 2018 is significantly higher, this is due to students being re-assessed based on their high school transcripts going back one full year and that applying to their fall 2018 placement. Further, all students who applied in fall 2018 were automatically given a placement if high school transcript data was available.

In fall 2017 all students were required to take a placement test. In fall 2018, students were placed based on their high school transcript information but could choose to take a placement test. The highest placement is what is used in this analysis. Students without a high school transcript are required to take a placement test.

# De Anza College Office of Institutional Research and Planning

**To:** EWRT and ESL Departments

**From:** Mallory Newell, De Anza Researcher

**Date:** 2/7/2019

**Subject:** Additional Disaggregation of fall 2018 EWRT1A Students

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At the January 31, 2019 AB705 Steering Committee meeting, some EWRT and ESL faculty requested additional data in regards to success rates by high school GPA and prior course enrollment in addition to overall success rate information located [here](#).

## **Question 1: What are the success rates of students in EWRT1A by high school GPA?**

**Table 1: Success Rates in EWRT1A – Fall 2018 – By GPA Range**

	Success		Non Success		Withdraw		Total	
	Grades	Percent	Grades	Percent	Grades	Percent	Grades	Percent
Above 2.6	637	87%	54	8%	31	5%	722	100%
1.9 - 2.59	137	60%	54	26%	37	14%	228	100%
Below 1.9	43	43%	28	26%	25	31%	96	100%
No GPA	408	79%	59	11%	61	10%	528	100%
Total	1,225	77%	195	13%	154	10%	1,574	100%

Includes only transcript data from CalPass which is actual HSGPA.

- Students with a HSGPA above 2.6 had the highest success rate at 87%; this was the largest group of students comprising 45% of the whole population.
- Students who did not have HSGPA data available had a success rate of 79%; this was the second largest group of students at 34% of the population.
- Students with a HSGPA of 1.9-2.59 had a success rate of 60% and those below 1.9 had a success rate of 43% and was the smallest group at 6% of the whole population.
- We did not have actual transcripts from CalPass for 326 students or 17%.



**Question 2: What are the success rates of students in EWRT1A by their course taking history?**

**Table 2: Success Rates in EWRT1A – Fall 2018 – By Prior EWRT Enrollment**

	Success		Non Success		Withdraw		Total	
	Grades	Percent	Grades	Percent	Grades	Percent	Grades	Percent
No EWRT in last 3 years	1,233	84%	147	9%	111	7%	1,491	100%
EWRT1A or Higher	69	57%	39	28%	19	14%	127	100%
EWRT211	201	77%	36	13%	31	10%	268	100%
EWRT200	4	29%	4	29%	6	43%	14	100%
Total	1,507	81%	226	11%	167	8%	1,900	100%

Table 2 includes all students enrolled in EWRT1A in fall 2018 and their success rates. It includes the highest EWRT course a student enrolled in over the past 3 years (from summer 2015 through summer 2018).

- Students who had not enrolled in an EWRT course prior to enrolling in EWRT1A had the highest success rate at 84% and make up the largest group of students at 78% of the whole population.
- Students who had taken EWRT1A or another non basic skills EWRT course prior had a success rate of 57%.
- Students who started in EWRT211 had a success rate of 77% and the 14 students who started in EWRT200 had a success rate of 29%.

**Question 3: How many students who received an ESL placement enrolled in EWRT1A and what was their success rates?**

**Table 3: Success Rates in EWRT1A – Fall 2018 – By Prior ESL Placement**

	Success		Non Success		Withdraw		Total	
	Grades	Percent	Grades	Percent	Grades	Percent	Grades	Percent
ESL Test	137	90%	11	7%	5	3%	153	100%
No Test	1370	78%	215	12%	162	9%	1747	100%
Total	1507	81%	226	11%	167	8%	1900	100%

Table 3 includes all students in EWRT1A in fall 2018 and those who had received an ESL placement at any time.

- 153 students in EWRT1A had received an ESL placement in the past, their success rate was 90% compared to all other students in EWRT1A at 78%.

**Question 4: Of the students who received an ESL placement and enrolled in EWRT1A, had they taken an EWRT course in the past?**

**Table 4: Success Rates in EWRT1A – Fall 2018 – By Prior ESL Placement and EWRT Enrollment**

		Success		Non Success		Withdraw		Total	
		Grades	Percent	Grades	Percent	Grades	Percent	Grades	Percent
ESL Test	EWRT Prior	25	89%	2	8%	2	3%	29	100%
	No EWRT	112	91%	9	7%	3	3%	124	100%
No Test	EWRT Prior	251	61%	79	24%	54	14%	384	100%
	No EWRT	1119	82%	136	10%	108	8%	1363	100%
Total		1507	78%	226	13%	167	9%	1900	100%

Table 4 includes all EWRT1A students and those who received an ESL placement, then breaks it out if the student had taken an EWRT course in the past three years.

- Of the students with an ESL placement, 124 had not taken an EWRT course prior and enrolled in EWRT1A, their success rate was 91%.
  - Of the students who did take EWRT prior, their success was 89%.

**Question 5: Of the students who received an ESL placement and enrolled in EWRT1A, what EWRT course did they take in the past?**

**Table 5: Success Rates in EWRT1A – Fall 2018 – By Prior ESL Placement and Prior EWRT Course**

	Success		Non Success		Withdraw		Total	
	Grades	Percent	Grades	Percent	Grades	Percent	Grades	Percent
ESL Test								
EWRT1A	6	89%			1	11%	7	100%
EWRT211	18	89%	2	9%	1	2%	21	100%
EWRT200	1	100%					1	100%
No EWRT In last 3 years	112	91%	9	7%	3	3%	124	100%
Total	137	90%	11	7%	5	3%	153	100%
No Test								
EWRT1A	63	53%	39	33%	18	15%	120	100%
EWRT211	183	74%	34	14%	30	12%	247	100%
EWRT200	3	23%	4	31%	6	46%	13	100%
No EWRT In last 3 years	1121	82%	138	10%	108	8%	1367	100%
Total	1370	78%	215	12%	162	9%	1747	100%
Total	1507	81%	226	11%	167	8%	1900	100%

Table 5 includes all EWRT1A students and those who received an ESL placement, then breaks it out if the student had taken an EWRT course in the past three years and the EWRT course they took.

- Of the students with an ESL placement, 124 had not taken an EWRT course prior and enrolled in EWRT1A, their success rate was 91%.
  - Of the students who did take EWRT prior, those that took EWRT1A in the past had a success rate of 89%, EWRT211 in the past resulted in an 89% success rate as well, and EWRT200 only had 1 student who passed for a 100% success rate.
- When looking at overall success rates, success rates for students who received an ESL placement had higher success rates than all other students who did not received an ESL placement.

**Question 6: How many students enrolled in an ESL course and dropped it to enroll in EWRT1A in the same quarter?**

In fall 2018, 19 students registered for an ESL course, dropped it, and enrolled in EWRT1A.

- Of the 19, 8 had taken an ESL course in the past while the other 8 had not enrolled in an ESL course in the past 3 years.
- Of the 8 students, 3 had previously passed ESL273, 4 previously passed ESL263, and 1 previously withdrew from ESL262.

In winter 2019, 9 students were enrolled in an ESL course, dropped it and enrolled in EWRT1A.

- Of the 9 students, 2 had taken an ESL course in the past while the 7 others had not enrolled in an ESL course in the past 3 years.
- Of the 2 students, 1 passed ESL273 and 1 passed ESL263.