

# RESEARCH BRIEF

Loss/Momentum Framework at NOVA Series: 3. Progress

No. 25-16

April 2016

## Loss/Momentum Framework at NOVA: Progress-Related Data for Student Sub-Groups

This Research Brief provides information on the Progress-related portion of the Loss/Momentum Framework as it pertains to retention and progress (credit completion) at NOVA. There are two sections: Retention and Progress. The first section includes data and analysis on fall-to-spring retention and fall-to-fall retention of First-Time in College<sup>1</sup> (FTIC) students. The second section includes data and analysis on the progress of FTIC students completing 12 credits and 24 credits.

### I. Progress-Related Data: Retention

#### A. Executive Summary

##### Fall-to-Spring Retention

###### *Fall-to-Spring Retention by Initial Enrollment Status*

- Fall-to-Spring retention rates of full-time students were often over 20 percentage points higher than those of part-time students.

###### *Fall-to-Spring Retention by Gender (Table 1)*

- Fall-to-Spring retention rates by gender were higher among female students than male students.
- Fall-to-Spring retention rates ranged 88 to 90 percent for female students **enrolled full-time** and between 86 to 88 percent for male students **enrolled full-time**.
- Fall-to-Spring retention rates were between 65 to 67 percent for female students enrolled part-time and 59 to 61 percent for male students **enrolled part-time**.

###### *Fall-to-Spring Retention by Age (Table 2)*

- The 24 and younger age group Fall-to-Spring retention rates ranged 88 to 89 percent for full-time students and 65 to 67 percent for part-time students.

<sup>1</sup>FTIC Cohorts are defined as follows – e.g. the Fall 2013 Cohort includes the following: Summer 2013 FTIC students (who also enrolled in Fall 2013) + Summer 2013 dual enrolled students (who also enrolled in Fall 2013 and were not dual enrolled) + Fall 2013 FTIC students (excluding Fall 2013 dual enrolled students).

### ***Fall-to-Spring Retention by Race/Ethnicity (Table 3)***

- Among the largest racial/ethnic groups, Fall-to-Spring retention rates were highest among **Asian students** and lowest among **Black students**.
- The Fall-to-Spring retention rates for **Asian students attending full-time** were between 92 to 93 percent and 86 to 88 percent for **Black students attending full-time**.
- The Fall-to-Spring retention rates were 69 to 71 percent for **Asian students attending part-time** and 54 to 57 percent for **Black students attending part-time**.

### ***Fall-to-Spring Retention by Initial Program Placement (Table 4)***

- Fall-to-Spring retention rates tended to be highest for students placed in **A.S. programs** and lowest for **non-program placed** students.
- Fall-to-Spring retention rates for **full-time students in A.S. programs** were around 89 to 90 percent and 66 to 69 percent for **part-time students in A.S. programs**.

## **Fall-to-Fall Retention**

### ***Fall-to-Fall Retention by Initial Enrollment Status (Table 5)***

- Fall-to-Fall retention rates of full-time students were often over 20 percentage points higher than those of part-time students.

### ***Fall-to-Fall Retention by Gender (Table 5)***

- The Fall-to-Fall retention of **female students enrolled full-time** ranged from 70 to 72 percent, compared to 65 to 69 percent for **male students enrolled full-time**.
- The Fall-to-Fall retention of **female students enrolled part-time** ranged from 46 to 50 percent, compared to 41 to 43 percent for **male students enrolled part-time**.

### ***Fall-to-Fall Retention by Age (Table 6)***

- The Fall-to-Fall retention rates for **full-time students 24 and younger** were between 69 and 72 percent and between 47 and 50 percent for **part-time students 24 or younger**.

### ***Fall-to-Fall Retention by Race/Ethnicity (Table 7)***

- Of the largest ethnic groups at NOVA, **Asian students enrolled full-time** attained the highest Fall-to-Fall retention rates (80 to 82 percent) and **Black students enrolled full-time** attained the lowest rates (59 to 62 percent).
- For students **enrolled part-time**, **Asian students'** Fall-to-Fall retention rates were between 53 and 55 percent while **Black students'** rates were between 34 and 36 percent.

### ***Fall-to-Fall Retention by Initial Program Placement (Table 8)***

- Students enrolled in the **A.S. program** represented the majority of the population and these students generally attained had the highest Fall-to-Fall retention rates: 70 to 73 percent for those enrolled full-time and 48 to 53 for those enrolled part-time.
- Students enrolled in **transfer degree programs** had higher Fall-to-Fall retention rates than students enrolled in **technical degree programs**.

## B. Fall-to-Spring Retention

**Table 1. Fall-to-Spring Retention by Gender and Enrollment Status: Fall 2012 through Fall 2014 Cohorts**

Status	Gender	Cohort					
		Fall 2012		Fall 2013		Fall 2014	
		#	%	#	%	#	%
Full-Time	Male	2,402	87.5	2,603	87.4	2,475	85.7
	Female	2,136	88.6	2,357	89.5	2,312	90.1
Part-Time	Male	1,090	59.5	1,079	58.9	1,082	60.9
	Female	1,075	65.2	1,120	65.5	1,096	67.4

**Table 2. Fall-to-Spring Retention Rate by Age and Enrollment Status: Fall 2012 through Fall 2014 Cohorts**

Status	Age	Cohort					
		Fall 2012		Fall 2013		Fall 2014	
		#	%	#	%	#	%
Full-Time	24 and younger	4,230	88.2	4,601	88.9	4,489	88.6
	25-44	279	84.0	327	83.0	273	77.6
	45 and older	29	96.7	32	74.4	25	73.5
Part-Time	24 and younger	1,717	64.6	1,722	64.8	1,767	66.5
	25-44	381	56.5	391	57.9	361	57.7
	45 and older	67	45.0	86	41.0	50	41.7

**Table 3. Fall-to-Spring Retention by Race/Ethnicity and Enrollment Status: Fall 2012 through Fall 2014 Cohorts**

Status	Race/Ethnicity	Cohort					
		Fall 2012		Fall 2013		Fall 2014	
		#	%	#	%	#	%
Full-Time	White	1,569	86.5	1,620	86.0	1,481	86.1
	Black	753	87.6	830	85.8	799	87.2
	Hispanic/Latino	1,056	87.1	1,222	89.9	1,300	87.5
	Asian	864	93.3	912	92.7	893	92.1
	American Indian/Alaska Native	4	66.7	10	90.9	11	100.0
	Hawaiian/Pacific Islander	28	96.6	22	91.7	25	80.7
	Two or More Races	200	86.6	261	88.8	209	85.7
	Not Specified	2	50.0	4	80.0	2	100.0
	Unknown	62	83.8	79	94.1	67	90.5
Part-Time	White	817	61.8	748	60.4	802	67.3
	Black	405	56.3	440	57.0	383	54.3
	Hispanic/Latino	533	63.5	572	65.5	580	64.7
	Asian	258	68.6	272	71.0	259	69.6
	American Indian/Alaska Native	7	63.6	5	62.5	4	50.0
	Hawaiian/Pacific Islander	9	60.0	10	45.5	15	79.0
	Two or More Races	100	67.1	97	57.7	102	62.2
	Not Specified	0	--	2	33.3	0	0.0
	Unknown	36	76.6	53	74.7	33	68.8

**Table 4. Fall-to-Spring Retention Rate by Program Placement and Enrollment Status: Fall 2012 through Fall 2014 Cohorts**

Status	Program Placement	Cohort					
		Fall 2012		Fall 2013		Fall 2014	
		#	%	#	%	#	%
Full-Time	A.A.	589	88.0	544	87.5	566	87.9
	A.S.	2,973	89.0	3,696	90.1	3,609	89.1
	A.A.A.	30	88.2	13	61.9	13	72.2
	A.A.S.	619	85.4	503	84.3	456	83.4
	Certificate	138	86.8	106	80.3	74	76.3
	Not Placed	189	82.9	98	71.5	69	71.9
Part-Time	A.A.	246	69.5	247	67.3	222	64.4
	A.S.	1,196	65.7	1,319	66.7	1,444	69.7
	A.A.A.	16	57.1	10	52.6	8	72.7
	A.A.S.	370	55.9	365	59.0	271	52.1
	Certificate	112	58.3	108	59.3	94	58.0
	Not Placed	225	53.1	150	39.9	139	47.0

**C. Fall-to-Fall Retention**

**Table 5. Fall-to-Fall Retention by Gender and Enrollment Status: Fall 2012 through Fall 2014 Cohorts**

Status	Gender	Cohort					
		Fall 2012		Fall 2013		Fall 2014	
		#	%	#	%	#	%
Full-Time	Male	1,862	67.9	1,936	65.0	1,996	69.1
	Female	1,685	69.9	1,884	71.5	1,844	71.9
Part-Time	Male	779	42.5	752	41.1	769	43.3
	Female	759	46.0	821	48.0	808	49.7

**Table 6. Fall-to-Fall Retention Rate by Age and Enrollment Status: Fall 2012 through Fall 2014 Cohorts**

Status	Age	Cohort					
		Fall 2012		Fall 2013		Fall 2014	
		#	%	#	%	#	%
Full-Time	24 and younger	3,338	69.6	3,590	69.4	3,646	71.9
	25-44	193	58.1	213	54.1	179	50.9
	45 and older	16	53.3	17	39.5	15	44.1
Part-Time	24 and younger	1,270	47.8	1,287	48.4	1,327	49.9
	25-44	222	32.9	229	33.9	220	35.1
	45 and older	46	30.9	57	27.1	30	25.0

**Table 7. Fall-to-Fall Retention by Race/Ethnicity and Enrollment Status: Fall 2012 through Fall 2014 Cohorts**

Status	Race/Ethnicity	Cohort					
		Fall 2012		Fall 2013		Fall 2014	
		#	%	#	%	#	%
Full-Time	White	1,219	67.2	1,222	64.9	1,182	68.7
	Black	516	60.0	568	58.7	564	61.6
	Hispanic/Latino	828	68.3	971	71.4	1,057	71.2
	Asian	757	81.8	786	79.9	795	82.0
	American Indian/Alaska Native	5	83.3	6	54.6	5	45.5
	Hawaiian/Pacific Islander	24	82.8	18	75.0	24	77.4
	Two or More Races	142	61.5	183	62.2	159	65.2
	Not Specified	1	25.0	5	100.0	1	50.0
	Unknown	55	74.3	61	72.6	53	71.6
Part-Time	White	593	44.8	535	43.2	586	49.2
	Black	248	34.4	261	33.8	255	36.2
	Hispanic/Latino	393	46.8	453	51.8	419	46.7
	Asian	204	54.3	204	53.3	205	55.1
	American Indian/Alaska Native	3	27.3	6	75.0	2	25.0
	Hawaiian/Pacific Islander	6	40.0	12	54.6	12	63.2
	Two or More Races	68	45.6	79	47.0	72	43.9
	Not Specified	--	--	0	0.0	0	0.0
	Unknown	23	48.9	23	32.4	26	54.2

**Table 8. Fall-to-Fall Retention Rate by Program Placement and Enrollment Status: Fall 2012 through Fall 2014 Cohorts**

Status	Program Placement	Cohort					
		Fall 2012		Fall 2013		Fall 2014	
		#	%	#	%	#	%
Full-Time	A.A.	470	70.3	430	69.1	444	68.9
	A.S.	2,387	71.5	2,863	69.8	2,968	73.3
	A.A.A.	22	64.7	10	47.6	5	27.8
	A.A.S.	437	60.3	382	64.0	325	59.4
	Certificate	91	57.2	67	50.8	56	57.7
	Not Placed	140	61.4	68	49.6	42	43.8
Part-Time	A.A.	169	47.7	172	46.9	161	46.7
	A.S.	867	47.6	1,003	50.7	1,088	52.5
	A.A.A.	10	35.7	6	31.6	5	45.5
	A.A.S.	252	38.1	252	40.7	179	34.4
	Certificate	73	38.0	56	30.8	61	37.7
	Not Placed	167	39.4	84	22.3	83	28.0

## II. Progress-Related Data: Progress Completing Credits

### A. Executive Summary

**Progress 12:** The number and percentage of fall cohort students who completed 12 college credits with a cumulative GPA of 2.0 or higher by the end of the spring of the same academic year.

#### *Progress 12 by Gender (Table 9)*

- The Progress 12 rates of **female students** attending full-time ranged from 65 to 69 percent, compared 60 percent for **male students** attending NOVA full-time.

#### *Progress 12 by Age (Table 10)*

- **Full-time students ages 24 and younger** were between 63 to 65 percent, compared for 35 to 38 percent for **part-time students ages 24 and younger**.

#### *Progress 12 by Race/Ethnicity (Table 11)*

- **Asian students enrolled full-time** tended to have the highest Progress 12 rates (70 to 74 percent), followed by **White students enrolled full-time** (65 to 68 percent).
- **Black students attending full-time** tended to have the lowest Progress 12 rates among full-time students (53 to 55 percent).

#### *Progress 12 by Program Placement (Table 12)*

- **Full-time students in the A.S. program** tended to have the highest Progress 12 rates (64 to 65 percent), followed by full-time students in the **A.A. program** (62 to 68 percent).

**Progress 24:** The number and percentage of fall cohort students who completed 24 college credits with a cumulative GPA of 2.0 or higher by the end of the spring of the next academic year.

#### *Progress 24 by Gender (Table 13)*

- The Progress 24 rates of students attending NOVA full-time was between 54 and 59 percent for **female students** and 50 to 51 percent for **male students**.

#### *Progress 24 by Age (Table 14)*

- **Full-time students ages 24 or younger** attained Progress 24 rates between 53 and 55 percent.

#### *Progress 24 by Race/Ethnicity (Table 15)*

- **Asian students attending full-time** had the highest Progress 24 rates (64 to 66 percent), while **Black students** had the lowest rates (38 to 44 percent).

**Progress 24 by Program Placement (Table 16)**

- Full-time students in the **A.A. and A.S. programs** tended to have similar Progress 24 rates (54 to 57 percent); while students in other programs had markedly lower Progress 24 rates.

**B. Progress 12**

**Table 9. Progress 12 Students by Gender and Enrollment Status: Fall 2012 through Fall 2014 Cohorts**

Status	Gender	Cohort					
		Fall 2012		Fall 2013		Fall 2014	
		#	%	#	%	#	%
Full-Time	Male	1,636	59.6	1,796	60.3	1,741	60.3
	Female	1,576	65.3	1,804	68.5	1,778	69.3
Part-Time	Male	540	29.5	574	31.3	577	32.5
	Female	615	37.3	662	38.7	674	41.4

**Table 10. Progress 12 Students by Age and Enrollment Status: Fall 2012 through Fall 2014 Cohorts**

Status	Age	Cohort					
		Fall 2012		Fall 2013		Fall 2014	
		#	%	#	%	#	%
Full-Time	24 and younger	3,003	62.6	3,334	64.4	3,285	64.8
	25-44	190	57.2	239	60.7	213	60.5
	45 and older	19	63.3	27	62.8	21	61.8
Part-Time	24 and younger	929	35.0	956	36.0	1,021	38.4
	25-44	202	30.0	233	34.5	207	33.1
	45 and older	24	16.1	47	22.4	23	19.2

**Table 11. Progress 12 Students by Race/Ethnicity and Enrollment Status: Fall 2012 through Fall 2014 Cohorts**

Status	Race/Ethnicity	Cohort					
		Fall 2012		Fall 2013		Fall 2014	
		#	%	#	%	#	%
Full-Time	White	1,185	65.4	1,267	67.3	1,171	68.0
	Black	453	52.7	523	54.1	507	55.3
	Hispanic/Latino	710	58.5	850	62.5	888	59.8
	Asian	649	70.1	705	71.6	721	74.3
	American Indian/Alaska Native	2	33.3	8	72.7	8	72.7
	Hawaiian/Pacific Islander	18	62.1	9	37.5	20	64.5
	Two or More Races	147	63.6	171	58.2	152	62.3
	Not Specified	1	25.0	3	60.0	1	50.0
	Unknown	47	63.5	64	76.2	51	68.9
Part-Time	White	446	33.7	420	33.9	466	39.1
	Black	232	32.2	271	35.1	221	31.3
	Hispanic/Latino	258	30.7	296	33.9	308	34.3
	Asian	135	35.9	153	39.9	158	42.5
	American Indian/Alaska Native	2	18.2	1	12.5	5	62.5
	Hawaiian/Pacific Islander	7	46.7	6	27.3	12	63.2
	Two or More Races	54	36.2	51	30.4	62	37.8
	Not Specified	0	-	1	16.7	0	0.0
	Unknown	21	44.7	37	52.1	19	39.6

**Table 12. Progress 12 Students by Program Placement and Enrollment Status: Fall 2012 through Fall 2014 Cohorts**

Status	Program Placement	Cohort					
		Fall 2012		Fall 2013		Fall 2014	
		#	%	#	%	#	%
Full-Time	A.A.	417	62.3	422	67.8	420	65.2
	A.S.	2,139	64.0	2,658	64.8	2,648	65.4
	A.A.A.	15	44.1	16	76.2	11	61.1
	A.A.S.	426	58.8	345	57.8	326	59.6
	Certificate	75	47.2	70	53.0	51	52.6
	Not Placed	140	61.4	89	65.0	63	65.6
Part-Time	A.A.	138	39.0	128	34.9	129	37.4
	A.S.	663	36.4	729	36.8	807	39.0
	A.A.A.	10	35.7	2	10.5	6	54.5
	A.A.S.	188	28.4	250	40.4	194	37.3
	Certificate	51	26.6	57	31.3	51	31.5
	Not Placed	105	24.8	70	18.6	64	21.6



## C. Progress 24

**Table 13. Progress 24 Students by Gender and Enrollment Status: Fall 2012 through Fall 2014 Cohorts**

Status	Gender	Cohort					
		Fall 2012		Fall 2013		Fall 2014	
		#	%	#	%	#	%
Full-Time	Male	1,374	50.1	1,495	50.2	1,470	50.9
	Female	1,313	54.4	1,524	57.9	1,510	58.9
Part-Time	Male	86	4.7	96	5.2	109	6.1
	Female	95	5.8	104	6.1	106	6.5

**Table 14. Progress 24 Students by Age and Enrollment Status: Fall 2012 through Fall 2014 Cohorts**

Status	Age	Cohort					
		Fall 2012		Fall 2013		Fall 2014	
		#	%	#	%	#	%
Full-Time	24 and younger	2,518	52.5	2,800	54.1	2,804	55.3
	25-44	154	46.4	198	50.3	161	45.7
	45 and older	15	50.0	21	48.8	15	44.1
Part-Time	24 and younger	147	5.5	162	6.1	182	6.8
	25-44	33	4.9	34	5.0	31	5.0
	45 and older	1	0.7	4	1.9	2	1.7

**Table 15. Progress 24 Students by Race/Ethnicity and Enrollment Status: Fall 2012 through Fall 2014 Cohorts**

Status	Race/Ethnicity	Cohort					
		Fall 2012		Fall 2013		Fall 2014	
		#	%	#	%	#	%
Full-Time	White	1,013	55.9	1,074	57.0	1,000	58.1
	Black	328	38.1	405	41.9	404	44.1
	Hispanic/Latino	582	48.0	696	51.2	743	50.0
	Asian	589	63.6	629	63.9	637	65.7
	American Indian/Alaska Native	2	33.3	5	45.5	7	63.6
	Hawaiian/Pacific Islander	14	48.3	7	29.2	15	48.4
	Two or More Races	123	53.2	145	49.3	127	52.0
	Not Specified	--	--	2	40.0	1	50.0
	Unknown	36	48.6	56	66.7	46	62.2
Part-Time	White	74	5.6	72	5.8	84	7.1
	Black	28	3.9	39	5.1	32	4.5
	Hispanic/Latino	40	4.8	42	4.8	44	4.9
	Asian	30	8.0	32	8.4	42	11.3
	American Indian/Alaska Native	0	0.0	0	0.0	0	0.0
	Hawaiian/Pacific Islander	0	0.0	0	0.0	1	5.3
	Two or More Races	8	5.4	11	6.5	11	6.7
	Not Specified	--	--	0	0.0	0	0.0
	Unknown	1	2.1	4	5.6	1	2.1

**Table 16. Progress 24 Students by Program Placement and Enrollment Status: Fall 2012 through Fall 2014 Cohorts**

Status	Program Placement	Cohort					
		Fall 2012		Fall 2013		Fall 2014	
		#	%	#	%	#	%
Full-Time	A.A.	363	54.3	352	56.6	363	56.4
	A.S.	1,852	55.4	2,258	55.0	2,312	57.1
	A.A.A.	12	35.3	11	52.4	8	44.4
	A.A.S.	288	39.7	281	47.1	226	41.3
	Certificate	58	36.5	56	42.4	34	35.1
	Not Placed	114	50.0	61	44.5	37	38.5
Part-Time	A.A.	32	9.0	19	5.2	15	4.3
	A.S.	106	5.8	145	7.3	164	7.9
	A.A.A.	1	3.6	0	0.0	1	9.1
	A.A.S.	21	3.2	25	4.0	20	3.8
	Certificate	7	3.6	2	1.1	7	4.3
	Not Placed	14	3.3	9	2.4	8	2.7