

# West Virginia: The Role of K-3 in a Seamless P-12 Continuum

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# West Virginia: The Role of K-3 in a Seamless P-12 Continuum

- con·tin·u·um

[kən'tinyo̯əm]

**NOUN**

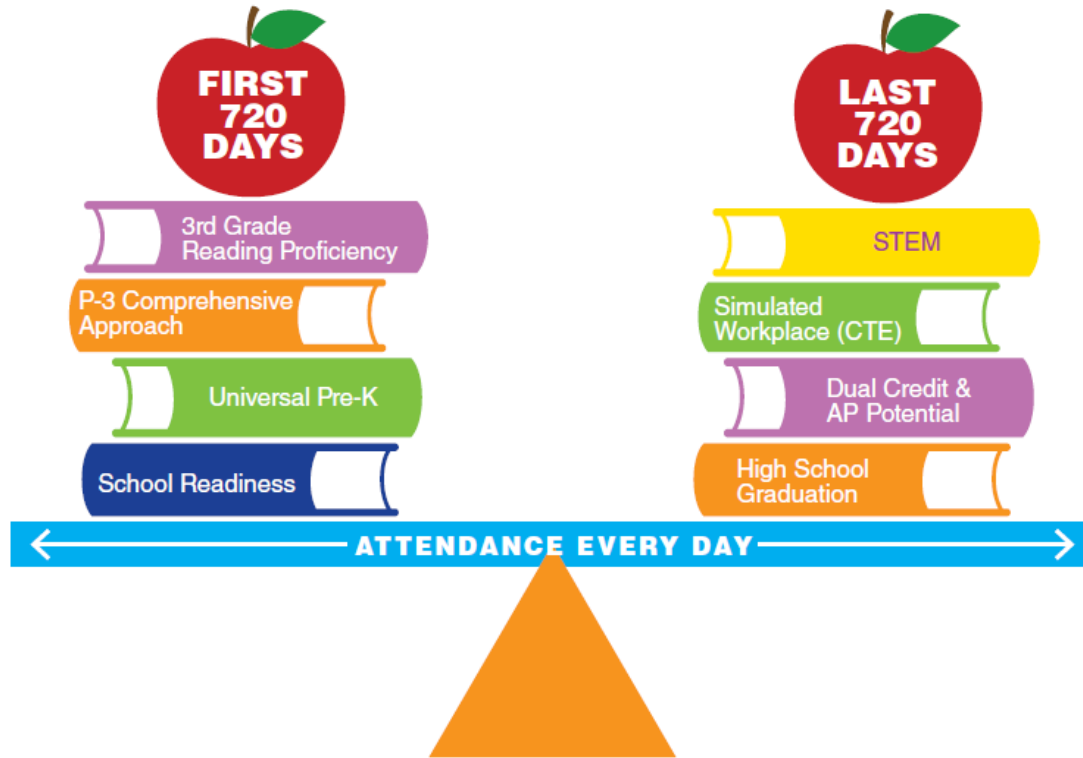
a continuous sequence in which adjacent elements are not perceptibly different from each other, **although the extremes are quite distinct**

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[www.readysetgovv.org/](http://www.readysetgovv.org/)





# West Virginia PK/K-3: Short and Long Term Impacts

## School Readiness

[WV School Readiness Profile](#)

[2016 WV Early Learning Annual Report](#)

- 4-year old access: **5<sup>th</sup>** in the nation (NIEER 2015 State of Preschool Yearbook )
- WV Universal Pre-K participation rate: **76%** in 2015-16
- **5-day, full-day K** for all since the mid-1990's

## 3<sup>rd</sup> Grade Literacy

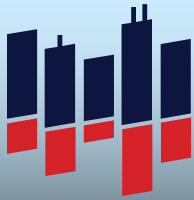
[2016 WV Early Learning Spotlight](#)

- 4<sup>th</sup> grade NAEP reading: **41<sup>st</sup> in 2015** (up **6** state ranking positions from 2013)

## High School Graduation

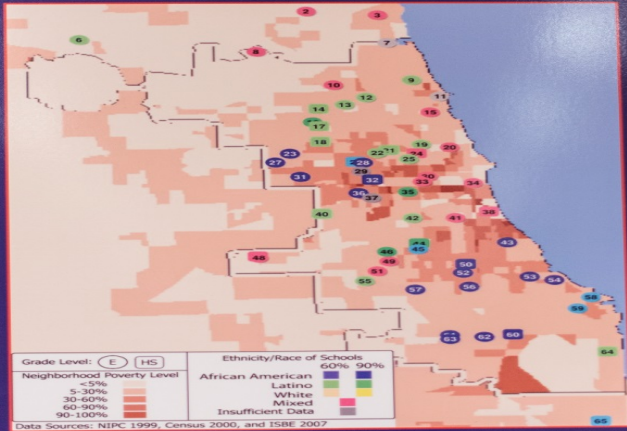
[WV Graduation Rate](#)

- High school graduation rate at **90%** in 2015-2016



# CENTER *for* URBAN EDUCATION LEADERSHIP

Principal Sites  
UIC Urban Education Leadership Program  
2012-2013 School Year



## Principal as K-3 Leader: States, Districts, & Leadership Programs. ECS 11/29/2016

# Chicago Public Schools:

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**“the worst school system in America.”**

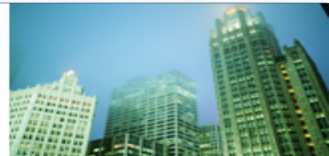
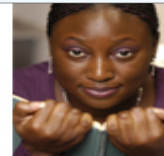
**--U.S. Secretary of Education William Bennett, 1987**



## **“Increases in math and reading achievement often double and quadruple the gains seen elsewhere.”**

Chicago's gains also stand out in comparison to the state and the nation. A study by the Center for Urban Education Leadership at the University of Illinois at Chicago found that from 2001 to 2015, student growth in Chicago exceeded growth elsewhere in the state among all racial subgroups. On the National Assessment of Educational Progress . . . Chicago's trajectory has defied the declines reported in many other cities as well as the stagnating progress of the nation as a whole.

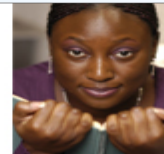
**--Craine's Chicago Business 6/15/16**





## “CPS Budget Cuts Interrupt Decade of Progress”

- That CPS has made incredible gains is undeniable . . .  
Two new reports released last week by UEI's Consortium on School Research provide additional evidence of this upward trajectory, examining the district's dramatic increase in high school graduation rates and confirming another year of improvement in CPS's college attainment.
- --Craine's Chicago Business 6/15/16



# 3<sup>rd</sup> Grade Reading

## Percent Scoring At or Above Statewide Medians

### City of Chicago

### Rest of Illinois



Low  
Income



Not  
Low  
Income



ISAT 2001    ISAT 2005    ISAT 2008    ISAT 2011    ISAT 2013    ISAT 2014    PARCC 2015

ISAT 2001    ISAT 2005    ISAT 2008    ISAT 2011    ISAT 2013    ISAT 2014    PARCC 2015

Black

Latino

White

# 2001

## Grade 3

## Grade 5

## Grade 8

AFRICAN AMERICAN	READING				MATH				READING				MATH				READING				MATH			
	Female		Male		Female		Male		Female		Male		Female		Male		Female		Male		Female		Male	
Free/Reduced Lunch ELIGIBLE	ILLXCHI 153	CHI 147	ILLXCHI 150	CHI 147	ILLXCHI 154	CHI 148	ILLXCHI 153	CHI 149	ILLXCHI 150	CHI 150	ILLXCHI 148	CHI 147	ILLXCHI 153	CHI 150	ILLXCHI 152	CHI 148	ILLXCHI 148	CHI 150	ILLXCHI 146	CHI 148	ILLXCHI 149	CHI 150	ILLXCHI 147	CHI 148
95% Confidence Interval	0.36	0.28	0.36	0.26	0.36	0.28	0.37	0.24	0.37	0.26	0.39	0.28	0.38	0.25	0.42	0.28	0.36	0.25	0.39	0.28	0.44	0.31	0.49	0.33
Combined Confidence Interval (+/-)	0.64		0.62		0.63		0.61		0.64		0.67		0.63		0.69		0.60		0.67		0.76		0.82	
Difference in Average Scale Scores	-5.36		-3.38		-5.78		-4.50		-0.68		-0.88		-2.68		-3.28		2.35		1.73		1.00		0.75	
Free/Reduced Lunch NOT ELIGIBLE	ILLXCHI 156	CHI 154	ILLXCHI 153	CHI 150	ILLXCHI 157	CHI 154	ILLXCHI 156	CHI 151	ILLXCHI 155	CHI 155	ILLXCHI 152	CHI 151	ILLXCHI 157	CHI 155	ILLXCHI 155	CHI 152	ILLXCHI 152	CHI 154	ILLXCHI 150	CHI 150	ILLXCHI 154	CHI 154	ILLXCHI 152	CHI 150
95% Confidence Level	0.44	0.84	0.42	0.86	0.44	0.82	0.43	0.81	0.43	0.88	0.43	0.86	0.45	0.91	0.46	0.85	0.35	0.67	0.37	0.69	0.47	0.90	0.49	0.88
Combined Confidence Interval (+/-)	1.3		1.3		1.3		1.2		1.3		1.3		1.4		1.3		1.0		1.1		1.4		1.4	
Difference in Mean Scale Scores	-2.8		-3.0		-3.3		-4.3		-0.5		-1.2		-2.4		-3.3		1.4		-0.5		0.7		-2.4	

LATINO	READING				MATH				READING				MATH				READING				MATH			
	Female		Male		Female		Male		Female		Male		Female		Male		Female		Male		Female		Male	
Free/Reduced Lunch ELIGIBLE	ILLXCHI 154	CHI 154	ILLXCHI 153	CHI 152	ILLXCHI 157	CHI 155	ILLXCHI 159	CHI 155	ILLXCHI 150	CHI 151	ILLXCHI 150	CHI 150	ILLXCHI 155	CHI 153	ILLXCHI 155	CHI 153	ILLXCHI 149	CHI 151	ILLXCHI 148	CHI 151	ILLXCHI 153	CHI 153	ILLXCHI 153	CHI 153
95% Confidence Interval	0.58	0.47	0.58	0.47	0.57	0.45	0.60	0.46	0.47	0.34	0.46	0.36	0.49	0.34	0.51	0.38	0.47	0.32	0.47	0.34	0.59	0.40	0.60	0.43
Combined Confidence Interval (+/-)	1.06		1.05		1.02		1.06		0.81		0.82		0.83		0.89		0.78		0.81		0.99		1.04	
Difference in Mean Scale Scores	-0.20		-1.28		-2.10		-3.72		0.24		0.12		-1.78		-2.17		1.71		2.44		-0.11		0.56	
Free/Reduced Lunch NOT ELIGIBLE	ILLXCHI 159	CHI 159	ILLXCHI 157	CHI 157	ILLXCHI 161	CHI 160	ILLXCHI 161	CHI 160	ILLXCHI 156	CHI 158	ILLXCHI 155	CHI 155	ILLXCHI 161	CHI 159	ILLXCHI 161	CHI 159	ILLXCHI 154	CHI 156	ILLXCHI 153	CHI 154	ILLXCHI 158	CHI 158	ILLXCHI 158	CHI 156
95% Confidence Level	0.56	1.43	0.53	1.35	0.55	1.42	0.54	1.35	0.53	1.30	0.52	1.32	0.54	1.39	0.56	1.40	0.43	1.12	0.45	1.20	0.56	1.44	0.60	1.54
Combined Confidence Interval (+/-)	1.99		1.88		1.97		1.89		1.83		1.84		1.93		1.95		1.55		1.65		2.00		2.14	
Difference in Mean Scale Scores	-0.11		-0.17		-0.69		-1.82		1.57		0.20		-1.65		-2.24		1.88		1.17		-0.09		-1.50	

WHITE	READING				MATH				READING				MATH				READING				MATH			
	Female		Male		Female		Male		Female		Male		Female		Male		Female		Male		Female		Male	
Free/Reduced Lunch ELIGIBLE	ILLXCHI 159	CHI 158	ILLXCHI 157	CHI 156	ILLXCHI 161	CHI 160	ILLXCHI 161	CHI 160	ILLXCHI 157	CHI 157	ILLXCHI 156	CHI 155	ILLXCHI 160	CHI 160	ILLXCHI 161	CHI 158	ILLXCHI 153	CHI 155	ILLXCHI 152	CHI 154	ILLXCHI 158	CHI 158	ILLXCHI 157	CHI 158
95% Confidence Interval	0.33	1.06	0.33	1.04	0.33	1.07	0.33	1.09	0.36	0.97	0.36	1.00	0.36	1.01	0.38	1.09	0.35	0.83	0.37	0.84	0.47	1.12	0.49	1.17
Combined Confidence Interval (+/-)	1.39		1.37		1.39		1.42		1.33		1.37		1.38		1.47		1.18		1.21		1.59		1.66	
Difference in Mean Scale Scores	-0.80		-1.49		-0.88		-1.74		0.27		-1.02		-0.41		-2.24		1.77		1.47		0.48		1.05	
Free/Reduced Lunch NOT ELIGIBLE	ILLXCHI 167	CHI 168	ILLXCHI 165	CHI 165	ILLXCHI 169	CHI 169	ILLXCHI 170	CHI 169	ILLXCHI 166	CHI 167	ILLXCHI 165	CHI 165	ILLXCHI 171	CHI 169	ILLXCHI 171	CHI 169	ILLXCHI 162	CHI 165	ILLXCHI 161	CHI 161	ILLXCHI 169	CHI 169	ILLXCHI 170	CHI 169
95% Confidence Level	0.14	1.14	0.13	1.04	0.14	1.16	0.14	1.08	0.14	1.12	0.14	1.14	0.15	1.20	0.15	1.24	0.12	1.01	0.12	0.96	0.16	1.36	0.18	1.36
Combined Confidence Interval (+/-)	1.28		1.17		1.30		1.22		1.26		1.29		1.35		1.39		1.13		1.09		1.52		1.54	
Difference in Mean Scale Scores	0.59		-0.36		0.00		-0.73		1.31		0.29		-1.17		-2.15		3.08		0.74		0.31		-0.44	

# 2012

## Grade 3

## Grade 5

## Grade 8

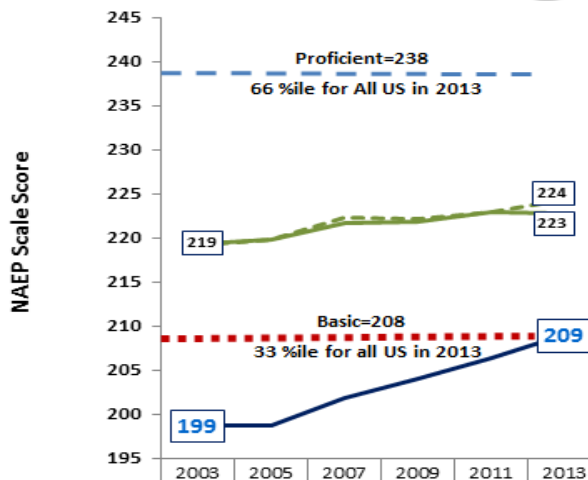
AFRICAN AMERICAN	READING				MATH				READING				MATH				READING				MATH			
	Female		Male		Female		Male		Female		Male		Female		Male		Female		Male		Female		Male	
Free/Reduced Lunch <b>ELIGIBLE</b>	ILLXCHI	CHI	ILLXCHI	CHI	ILLXCHI	CHI	ILLXCHI	CHI	ILLXCHI	CHI	ILLXCHI	CHI	ILLXCHI	CHI	ILLXCHI	CHI	ILLXCHI	CHI	ILLXCHI	CHI	ILLXCHI	CHI	ILLXCHI	CHI
95% Confidence Interval	0.58	0.62	0.58	0.65	0.60	0.66	0.62	0.68	0.58	0.62	0.58	0.65	0.60	0.66	0.62	0.68	0.40	0.49	0.43	0.51	0.50	0.64	0.53	0.67
Combined Confidence Interval (+/-)	1.20		1.23		1.26		1.29		1.20		1.23		1.26		1.29		0.88		0.94		1.14		1.20	
Difference in Average Scale Scores	-0.44		-0.55		2.56		1.66		-0.44		-0.55		2.56		1.66		3.83		4.71		5.14		5.56	
Free/Reduced Lunch <b>NOT ELIGIBLE</b>	ILLXCHI	CHI	ILLXCHI	CHI	ILLXCHI	CHI	ILLXCHI	CHI	ILLXCHI	CHI	ILLXCHI	CHI	ILLXCHI	CHI	ILLXCHI	CHI	ILLXCHI	CHI	ILLXCHI	CHI	ILLXCHI	CHI	ILLXCHI	CHI
95% Confidence Level	233	241	224	232	237	246	233	242	233	241	224	232	237	246	233	242	251	259	243	252	270	279	266	274
95% Confidence Level	1.16	2.73	1.13	2.68	1.28	2.92	1.28	3.15	1.16	2.73	1.13	2.68	1.28	2.92	1.28	3.15	0.65	1.80	0.64	1.98	0.89	2.70	0.91	2.66
Combined Confidence Interval (+/-)	3.89		3.81		4.20		4.43		3.89		3.81		4.20		4.43		2.45		2.62		3.59		3.57	
Difference in Mean Scale Scores	8.53		7.60		9.24		9.42		8.53		7.60		9.24		9.42		8.69		8.76		8.84		7.77	

LATINO	READING				MATH				READING				MATH				READING				MATH			
	Female		Male		Female		Male		Female		Male		Female		Male		Female		Male		Female		Male	
Free/Reduced Lunch <b>ELIGIBLE</b>	ILLXCHI	CHI	ILLXCHI	CHI	ILLXCHI	CHI	ILLXCHI	CHI	ILLXCHI	CHI	ILLXCHI	CHI	ILLXCHI	CHI	ILLXCHI	CHI	ILLXCHI	CHI	ILLXCHI	CHI	ILLXCHI	CHI	ILLXCHI	CHI
95% Confidence Interval	0.47	0.62	0.48	0.61	0.50	0.65	0.52	0.67	0.47	0.62	0.48	0.61	0.50	0.65	0.52	0.67	0.40	0.49	0.43	0.51	0.50	0.64	0.53	0.67
Combined Confidence Interval (+/-)	1.09		1.09		1.16		1.19		1.09		1.09		1.16		1.19		0.88		0.94		1.14		1.20	
Difference in Mean Scale Scores	0.39		0.78		1.70		1.82		0.39		0.78		1.70		1.82		4.38		3.08		5.74		4.69	
Free/Reduced Lunch <b>NOT ELIGIBLE</b>	ILLXCHI	CHI	ILLXCHI	CHI	ILLXCHI	CHI	ILLXCHI	CHI	ILLXCHI	CHI	ILLXCHI	CHI	ILLXCHI	CHI	ILLXCHI	CHI	ILLXCHI	CHI	ILLXCHI	CHI	ILLXCHI	CHI	ILLXCHI	CHI
95% Confidence Level	236	244	230	237	243	249	242	251	236	244	230	237	243	249	242	251	254	262	249	258	275	285	274	285
95% Confidence Level	0.85	2.71	0.82	2.53	0.96	2.91	0.98	2.81	0.85	2.71	0.82	2.53	0.96	2.91	0.98	2.81	0.65	1.80	0.64	1.98	0.89	2.70	0.91	2.66
Combined Confidence Interval (+/-)	3.56		3.35		3.87		3.79		3.56		3.35		3.87		3.79		2.45		2.62		3.59		3.57	
Difference in Mean Scale Scores	7.98		7.62		5.84		9.64		7.98		7.62		5.84		9.64		8.08		9.09		9.91		10.80	

WHITE	READING				MATH				READING				MATH				READING				MATH			
	Female		Male		Female		Male		Female		Male		Female		Male		Female		Male		Female		Male	
Free/Reduced Lunch <b>ELIGIBLE</b>	ILLXCHI	CHI	ILLXCHI	CHI	ILLXCHI	CHI	ILLXCHI	CHI	ILLXCHI	CHI	ILLXCHI	CHI	ILLXCHI	CHI	ILLXCHI	CHI	ILLXCHI	CHI	ILLXCHI	CHI	ILLXCHI	CHI	ILLXCHI	CHI
95% Confidence Interval	0.46	2.58	0.46	2.16	0.50	2.53	0.51	2.49	0.46	2.58	0.46	2.16	0.50	2.53	0.51	2.49	0.38	1.89	0.43	1.78	0.48	2.58	0.53	2.40
Combined Confidence Interval (+/-)	3.04		2.62		3.03		3.00		3.04		2.62		3.03		3.00		2.27		2.21		3.06		2.94	
Difference in Mean Scale Scores	5.41		1.86		7.63		6.14		5.41		1.86		7.63		6.14		10.46		7.11		15.52		9.61	
Free/Reduced Lunch <b>NOT ELIGIBLE</b>	ILLXCHI	CHI	ILLXCHI	CHI	ILLXCHI	CHI	ILLXCHI	CHI	ILLXCHI	CHI	ILLXCHI	CHI	ILLXCHI	CHI	ILLXCHI	CHI	ILLXCHI	CHI	ILLXCHI	CHI	ILLXCHI	CHI	ILLXCHI	CHI
95% Confidence Level	248	256	241	250	256	265	256	266	248	256	241	250	256	265	256	266	262	273	256	266	288	303	287	298
95% Confidence Level	0.29	2.21	0.27	2.02	0.34	2.44	0.35	2.39	0.29	2.21	0.27	2.02	0.34	2.44	0.35	2.39	0.23	1.84	0.23	1.88	0.32	2.58	0.34	2.72
Combined Confidence Interval (+/-)	2.50		2.29		2.78		2.74		2.50		2.29		2.78		2.74		2.07		2.11		2.91		3.06	
Difference in Mean Scale Scores	8.64		8.92		9.73		10.23		8.64		8.92		9.73		10.23		10.49		9.26		15.07		11.46	

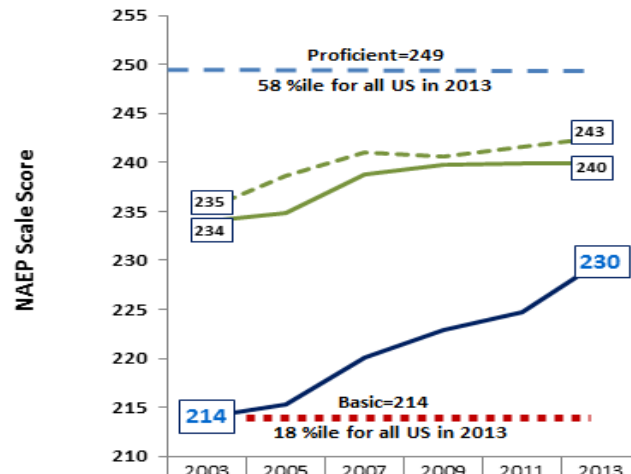
# Since 2007 Chicago Has Accounted for Almost All Statewide NAEP Gains

## 4th Grade Reading



\* Statistically different than 2013 scale score [ $p < 0.05$ ]

## 4th Grade Math



\* Statistically different than 2013 scale score [ $p < 0.05$ ]

# 4<sup>th</sup> Grade Reading & Math

## Illinois Standards Achievement Test

### 2006 through 2014

	READING						MATH					
	ELIGIBLE Free or Reduced Lunch			NOT ELIGIBLE Free or Reduced Lunch			ELIGIBLE Free or Reduced Lunch			NOT ELIGIBLE Free or Reduced Lunch		
	African American	Latino	White	African American	Latino	White	African American	Latino	White	African American	Latino	White
2006	-0.08	0.11	0.12	0.07	0.16	0.23	-0.26	-0.07	0.05	-0.11	0.02	0.09
2007	-0.13	-0.02	0.06	0.00	0.15	0.29	-0.22	-0.09	0.04	-0.06	0.10	0.17
2008	-0.10	0.00	0.20	0.00	0.11	0.37	-0.20	-0.07	0.14	-0.12	0.07	0.25
2009	-0.09	0.01	0.17	0.10	0.15	0.31	-0.10	0.00	0.15	0.09	0.09	0.27
2010	-0.07	-0.06	0.19	0.25	0.18	0.36	-0.06	-0.06	0.24	0.25	0.16	0.26
2011	-0.03	-0.08	0.25	0.22	0.20	0.35	0.06	-0.04	0.31	0.30	0.19	0.34
2012	0.02	0.04	0.37	0.31	0.23	0.46	0.11	0.09	0.43	0.35	0.23	0.41
2013	0.03	0.01	0.32	0.36	0.24	0.47	0.18	0.15	0.52	0.44	0.30	0.45
2014	0.09	0.07	0.36	0.24	0.20	0.44	0.22	0.14	0.53	0.33	0.26	0.47

Chicago Lower	About the Same	Chicago Higher
<b>95% Confidence Level</b>		

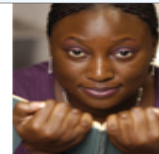
# “Your system, any system . . .

- . . . is perfectly designed to obtain the results you are obtaining” (Carr, 2008)
- Principal preparation and development are key elements of current “results system” on P-12
- To obtain significantly improved results, a significantly improved (disrupted) system is necessary
- Higher ed, districts, and state agencies play key roles in current system of principal production



# What we know

- A strong principal can dramatically improve school culture, climate, and student outcomes in a short period of time
- We know how principals do this (vision, people, systems)
- We know that a capable and motivated teacher can learn how to become such a principal
- **Leadership challenge #1:** organizing a school to support K-3 adult and student learning at scale



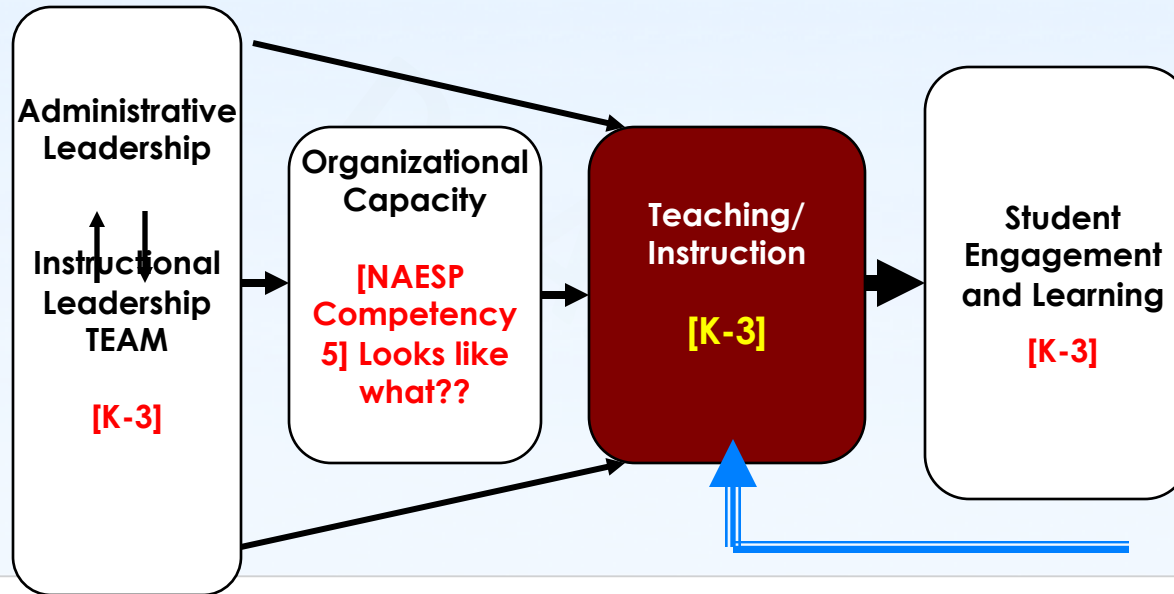


# Leadership and Learning Outcomes

- Bryk, Sebring, et al (2010) *Organizing Schools for Improvement* (Essential Supports)
- **School Leadership**
- **Professional Capacity**
- **Parent Community School Ties**
- **Student Centered Learning Climate**
- **Instructional Guidance**
- (Charles Payne: Leadership and pick 2)



# Within-school Improvement of Student Learning (explicit theory of impact)



## Leadership Challenge #2: We don't yet know how to do “it” at scale:

- The scale of the principal preparation challenge is within our resources to address (approximately 10,000 principals annually, 400 in IL, 250 in NC, etc.)
- We do not know how to organize ourselves to address the problem of scale—across IHEs, districts, or states
- The organizational challenge is systemic, requiring IHEs, districts, and the state to function together



# System change “from the inside-out”

- Focus must be on leaders who can support elevated instructional performance in schools P-12 [NAESP COMPETENCY 5—Build professional capacity . . .]
- Which requires new IHE/district collaborations
- Which requires new state supports if we are to do it at scale
- UIC, Chicago, and Illinois: see Wallace Fnd. website



# Characteristics of Next-Generation Principal Prep/Development Programs

- Results-oriented focus on principal impact on schools
- Partnerships with districts that invest resources
- Highly selective admissions to structured cohorts
- Full time, intensively coached, site-based learning (residencies, internships)
- Integration of academic and practical learning
- Structured post-licensure support to accelerate early-career development and success
- DISTRICT AND STATE POLICY SUPPORTS



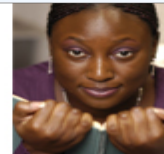
# State supports for next-gen partnerships

- States can pass new licensure requirements for programs: district partnerships, candidate selectivity, internships, and program impact on schools
- Field-based learning and supervision requires new resources not currently standard in the field
- If limited number of IHE/district partnerships provide principals for entire state, that burden needs state support for partnering districts, IHEs
- The costs at scale are small by state budget

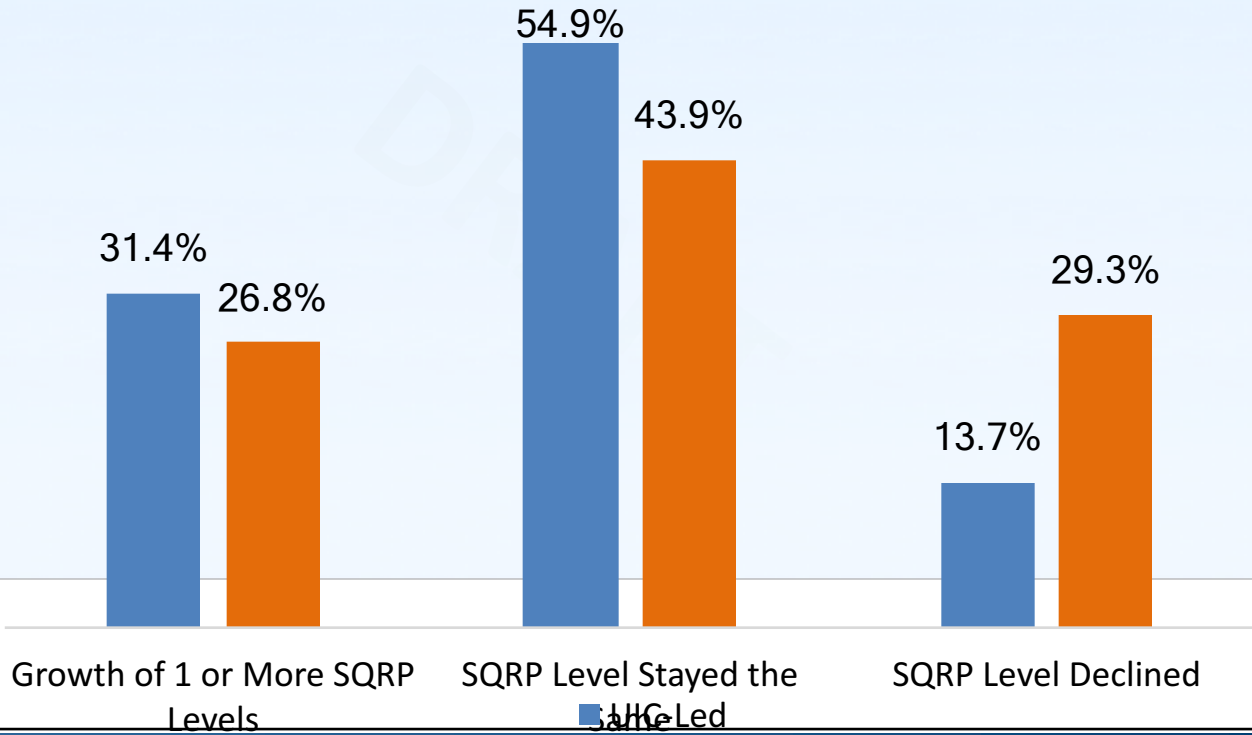


# UIC Ed.D. Program Results: 2004-15

- Of 178 completers: >120 principals in urban schools, 80% retained; remainder are APs and 20 system-level leaders. *including CPS Chief Ed Officer*
- 99% placement in administrative positions for 12 years
- High/est principal-eligibility pass-rate in CPS assessments
- Demonstrated impact on student learning; rapid promotions within the system (a mixed blessing)



# AY2014-AY2015 SQRP Growth: (86 v. 70) UIC-led Schools v. CPS Schools





# Questions and Comments

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<http://www.wallacefoundation.org/>

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