The Power of Systemness

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Part 1 Systemness
systemness [ˈsɪs-təm-nəs] n

1. the coordination of multiple components that when working together create a network of activity that is more powerful than any action of individual parts on their own.
Six Big Ideas

SUNY and the Seamless Education Pipeline

SUNY and the Entrepreneurial Century

SUNY and an Energy-Smart New York

SUNY and a Healthier New York

SUNY and the Vibrant Community

DIVERSITY COUNTS
My favorite…

SUNY and the Seamless Education Pipeline
“Educating more people and educating them better - appears to be the best bet any society can make.”

David Leonhardt
Educating more people

Educating them better

Best bet a society can make

A + C = S

ACCESS

COMPLETION

SUCCESS

www.rockinst.org | @RockefellerInst
How are we doing?

Part 2
College 4-year 40%
Community College 2-year 13%
Community College 3-year 22%
College 6-year 59%
Community College 4-year 28%

The Completion Puzzle
Hispanic 54%
White 63%
Black 39%
Dev Ed 30%
Adult Learners 50%
Pell Grant Recipients 49%

The Completion Puzzle...Disaggregated
Philanthropic Community’s Completion Challenge

2008: Doubling low-income by 2025

2008: Increase # of degrees to 60% by 2025
The American Graduation Initiative
A steady climb

Lumina tracks the post-high school educational attainment of Americans ages 25-64. Since 2008, that figure has increased by 9 percentage points. That’s progress, but it’s not enough to reach 60 percent by 2025. Dramatic action is needed to meet the nation’s need for talent.
60% in  40% out
Part 3

How Systems Can Help
If only-if only-we could come together on a national strategy to enhance and expand our natural advantages; more migration, more post-secondary education, better infrastructure, more government research, smart incentives for spurring millions of start-ups...nobody could touch us. We're that close.

Thomas Friedman
Let me illustrate...
In New York, for every 100 ninth grade students...

73 students graduate from high school four years later...

51 students immediately enter college...

37 students are still enrolled in their second year...

and 23 students graduate with either an associate’s degree within three years or a bachelor’s degree within six years.
Student Roadmap to Success
Cradle to Career Roadmap
YOU DID IT!

Strive Together
Every Child, Cradle to Career.

5 Proof Points
Communities by 2013

National Impact

PROGRESS
Updated Mar 01, 2013

Campaign Housing Goal
100,000

People Housed
35,000

Communities Participating
185

Improving Education Outcomes, from Cradle to Career

Kindergarten Readiness
Early Grade Reading
Middle Grade Math
High School Graduation
Post-secondary Enrollment
Post-secondary Degree Completion

United Way
Great Milwaukee

City's efforts paying off
Number of births to teens 17 and younger

Think your teen life won't change with a baby?

Shape Up Somerville
Approved
Smart Play Hard
Channeling Change: Making Collective Impact Work
Does it work?
Percent of Seniors Completing the FAFSA this School Year with Specific Interventions at Franklin High School
(Using School-level Data)

12/8/2015 - 1/19/2016
Intervention: Economics and Social Studies teachers recruit students for FAFSA night
Result: Participation triples from previous years

1/19 - 2/15
Intervention: Complete FAFSA during class in two economics classes
Result: 75% (44/58) of students in the two classrooms complete the FAFSA, compared to 59.4% overall

2/18 - 3/15
Intervention: Economics & social studies teachers use student-level data to target individual students for FAFSA support
Result: 28 additional students completed the FAFSA

3/15 - 4/29
Intervention: Assign all remaining students to one staff member or community partner for support
Result: 6 additional students completed the FAFSA

Source: Numerator comes from FAFSA + through the Office of Student Access and Completion, includes Oregon Student Aid Application (OSAA) completers (provided by school), denominator is January 1st enrollment.
Summer Melt

- 10-40% of college-intending students “melt” during the three months between high school graduation and the first day of college.

- Greater chance of melt for students from low-income households and those enrolling at a 2-yr college.

Source: Benjamin Castleman & Lindsay Page (2014). “Summer Melt: Supporting Low-Income Students Through the Transition to College”
Four Pillars for Collective Impact

Pillar 1: Convening Key Stakeholders
Pillar 2: Identifying Shared Goals
Pillar 3: Evidence-Based Decisions
Pillar 4: Sustaining Success
Key Stakeholders
Evidence-based
Most important pillar could be learning how to collect and use evidence.
Part 3

Is it time for a new normal?
Continuous improvement is not new, but must be the new normal.
Who is doing this work?
Act
How to improve next time

Plan
How to improve next time

Check
Did things happen according to plan?

Do
Observe & collect data

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Act

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Check
Did things happen according to plan?

Plan

---

Do
Observe & collect data
Lean Six Sigma: DMAIC

Define
Define the problem.

Measure
Quantify the problem.

Analyze
Identify the cause of the problem.

Improve
Implement and verify the solution.

Control
Maintain the solution.
Institute for Health Improvement

Select Topic
- Recruit Faculty
- Develop Framework and Changes
- Prework
- Enroll Participants

LS1: Learning Session
AP: Action Period
P-D-S-A: Plan-Do-Study-Act

Supports:
- Email
- Visits
- Phone Conferences
- Monthly Team Reports
- Assessments

Summative Congresses and Publications
2017 KIDS COUNT DATA BOOK
THE ANNIE E. CASEY FOUNDATION
Bill Gates is spending $1.7 billion to fix the US education system—here’s how

Abigail Hess | @AbigailJHess | 10:23 AM ET Mon, 30 Oct 2017
Dear Bill and Melinda,

Thank you for your recent commitment to networks for school improvement...
Being the best at getting better.
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