



Cincinnati: Health–Education Collaboration to Improve Educational Outcomes



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Cincinnati: Health and Education



- Why health care is working with education and how?
 - Cincinnati Children's Hospital's Strategic Plan
- What are we bringing to the effort?
 - Quality improvement (QI) training, coaching and tools
- How is QI being applied?
 - K- 3rd grade reading
 - Classroom behavior
 - School-wide systems approach
 - Co-production with parents

Cincinnati Children's Hospital 2020 Strategic Plan

To be the leader in improving child health

Care

Deliver exceptional, safe, and affordable care for every child and every family, every day

Community

Help Cincinnati's kids to be the healthiest in the nation through strong community partnerships

Discovery

Transform child health with our collaborative culture of discovery, translation and learning

Impact

Improve the lives of children everywhere by creating deeper connections with families, care providers and organizations

People

Realize our full potential by engaging, inspiring and enabling all employees to make a difference

Help Cincinnati's 66,000 kids be the healthiest in the nation through strong partnerships

Morbidity and Mortality

- Reduce annual infant deaths in Hamilton County
- Reduce disparity in hospital bed days focusing on 2 high risk neighborhoods

Thriving

- Ensure 5 year olds have a 'healthy mind and body'*
- Increase percent of children reading proficiently or above by 3rd grade in Cincinnati Public Schools

**Bundle measure: immunization, BMI, dental, behavior, vision, emergent literacy, speech, hearing*

All Children Thrive Learning Network

Outcomes

Infant Mortality

Bed Day
Disparity

Thriving at 5

3rd Grade
Reading

Improvement
Teams

Infant Mortality
(Cradle)

Community Connected
Primary Care

3rd Grade Reading

Social Influences in Neighborhood



Community Quality Improvement Capability

Community Activation

Data Management and Analytics

In Home Supports

What are we sharing? The How, not the What



- Theory – Key driver diagram
- Small scale, rapid testing – PDSA cycles
- Implementation – huddles, frontline engagement
- Population segmentation, data over time



How are we sharing it?

- Courses, training – ImpactU (Strive) and Menominee Falls SD
- Consultation and coaching
- Learning sessions

Theory

CPS K – 3 Reading Key Driver Diagram

Team Leader: Cheryl Broadnax

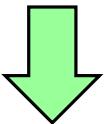


Global Aim

All children in the greater Cincinnati Public Schools area are reading at an appropriate level by end of third grade

SMART Aim

Increase the percent of *active QI classrooms at CPS schools with 60% of students who meet or exceed MAP proficiency target and/or growth benchmarks from 46.5% (Fall '17 MAP Test) to 65% on Winter/Spring Map Test by 5/31/18



2020 SMART Aim

Increase the percent of children reading proficiently by 3rd grade in CPS schools from 46.5% to 70% by June 30, 2020.

PRIMARY DRIVERS (WHAT)

Exposure to multiple and varied genres and learning opportunities for teachers and students

Evidence-based instruction in foundational literacy

Population segmentation and effective use of valid, reliable data

Activated parents, students and teachers

Student learning goals

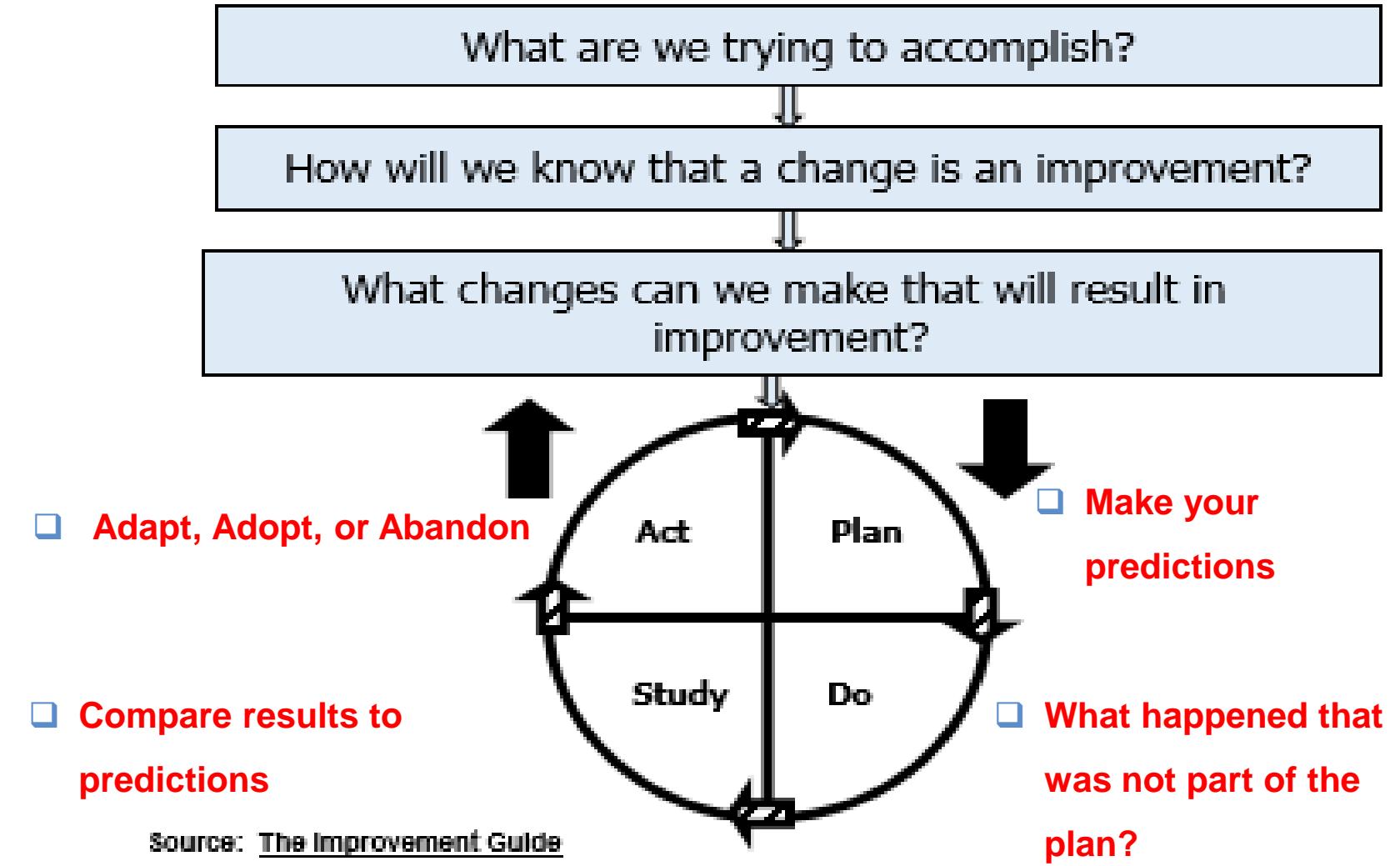
Healthy in emotional, physical and mental domains

Calm dedicated time on instruction

KEY: Green = What we're working on right now | White = Ideas

Small scale, rapid testing: PDSAs

The Model for Improvement



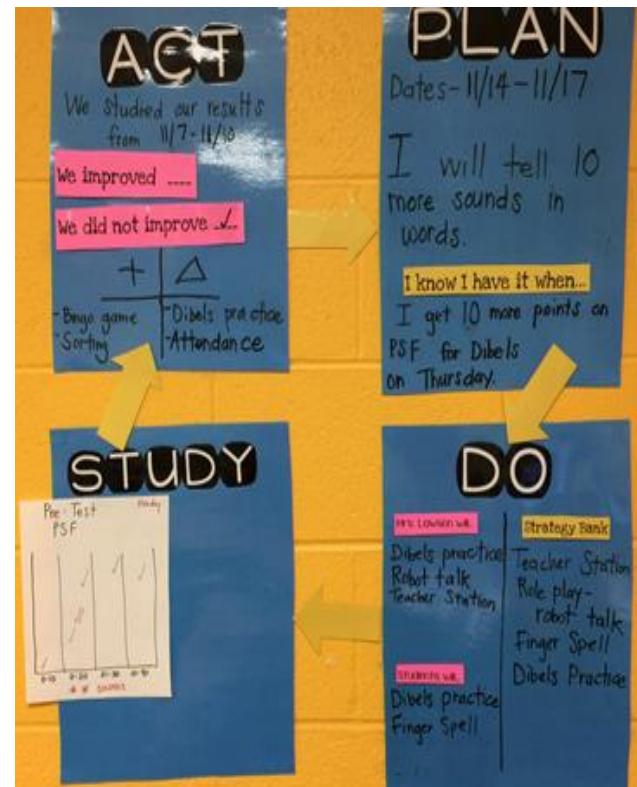
Implementation: Huddles, Engagement



HUDDLES

- QI Learning Huddle Call weekly, 30 minutes
- **“All-Teach, All-Learn Environment”:**
- Time to learn and problem solve together
- Safe space to share successes, failures, and QI learning from the week

STUDENTS ENGAGED

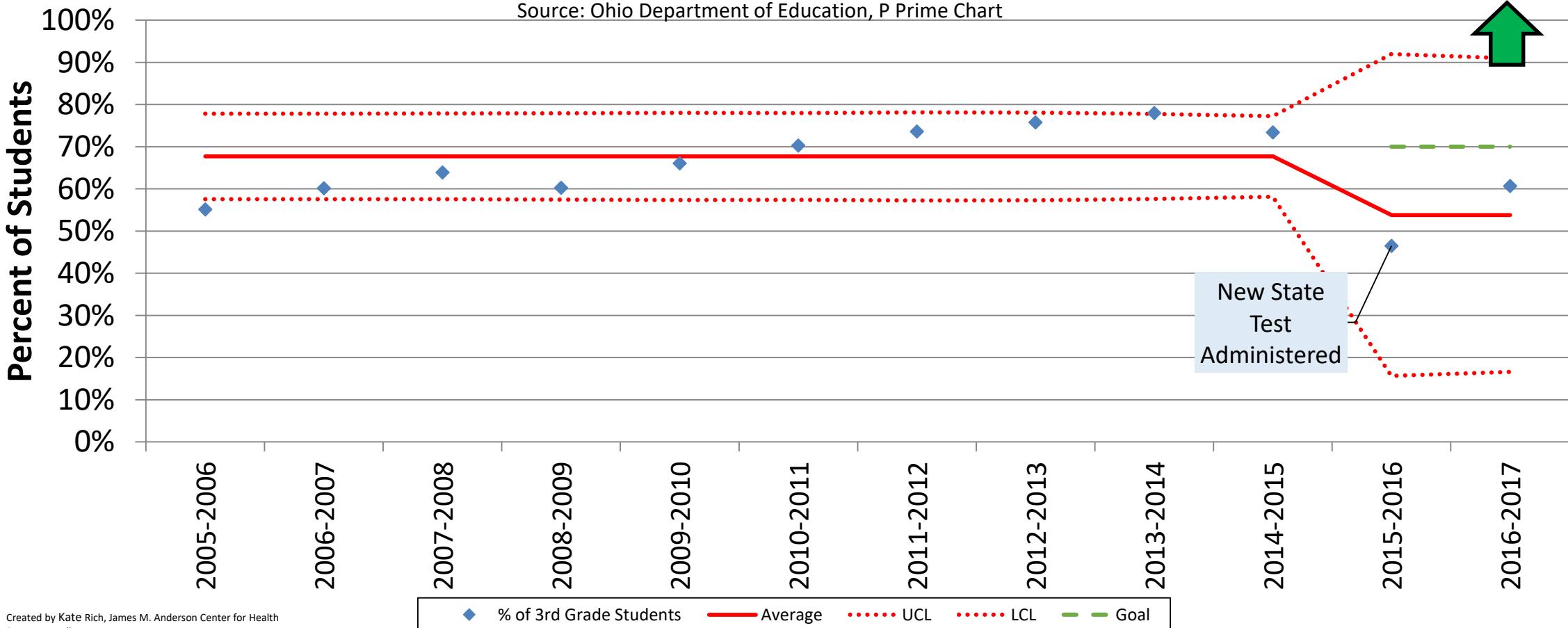


Population segmentation, trajectories



CPS 3rd-Grade Students Proficient or Higher in Reading, by School Year

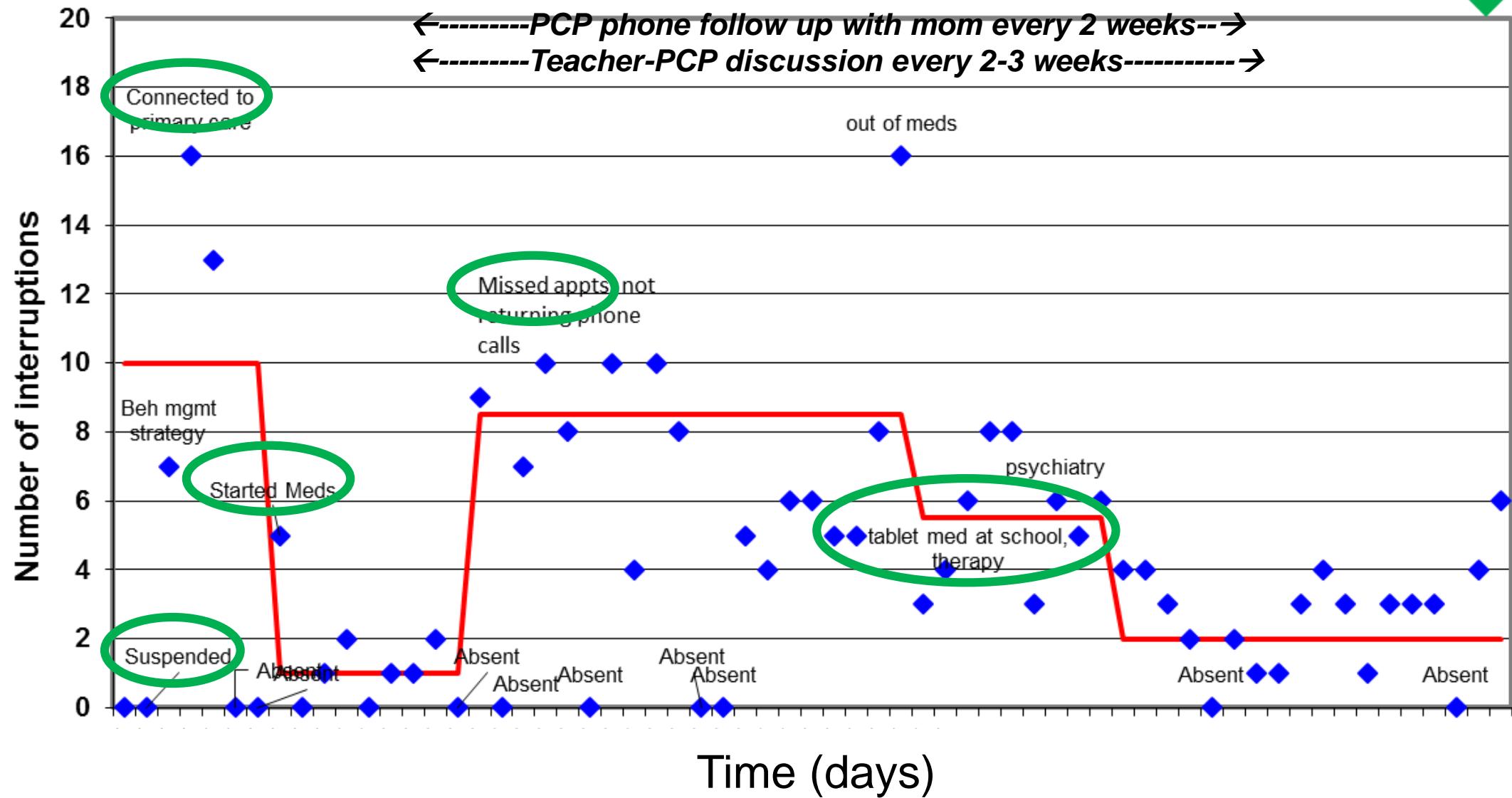
Source: Ohio Department of Education, P Prime Chart



Created by Kate Rich, James M. Anderson Center for Health Systems Excellence

All Children Thrive Cincinnati

Classroom behavior: learning from 1 student (N of 1)



Vision

Cincinnati Public Schools will be a community that ensures equitable access to a world-class education unleashing the potential of every student.

Mission

We educate all students with rigor and care in a culture of excellence to develop engaged citizens who are prepared for life.

SYSTEM LEVEL KDD

CINCINNATI PUBLIC SCHOOLS



System Level Drivers

Trusted Relationships with community, parents, students, staff and partners

Equitable distribution of resources and services reaching every student

Singularly focused system on high academic achievements

Highly engaging environments that focus on continuous improvements for students and staff

Expanded learning opportunities and choice for all students

FY 18 – Improvement Team Measures / Projects

Instructional
Great Learning Environments-
Academic Outcomes

Managerial
Great Systems-Operations

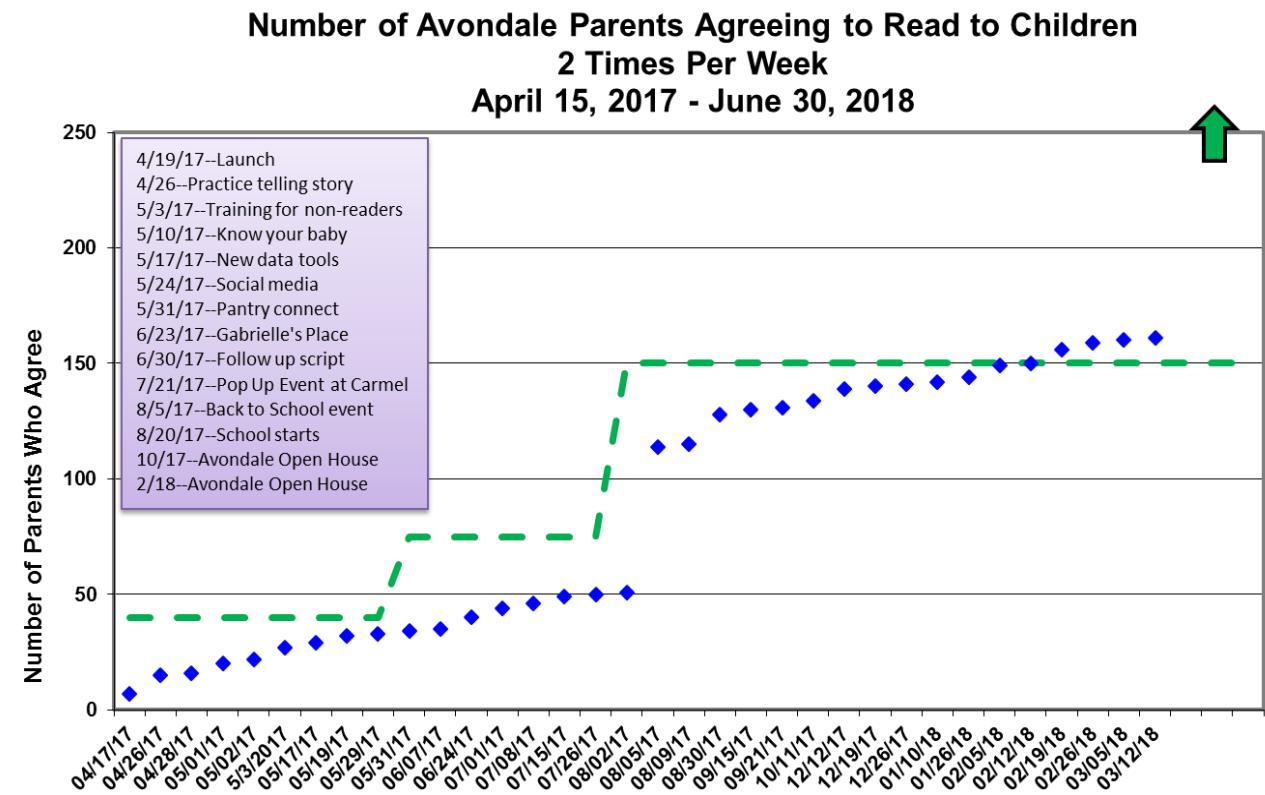
Great Communities-Parent and
Student Experience

Talent Management
Great People-Employee Experience

Co-Production with Parents



- Sparking the inherent motivation of parents and residents to activate for their child's health & well-being
- Co-producing solutions to build upon strengths and mitigate barriers
- Organizing a network of caring informal leaders
- Finding the yet to be found so we reach ALL children



Key Learnings



1. Metrics of child thriving must be added to deficit metrics
2. A Learning Network accelerates cross sector work
3. Integration across sectors must be real and realizable
4. Improvement capability building provides a common platform for measurement, testing, learning and creating the new system
5. Co-production with parents is key
6. Joy in work enables resilience in teachers, medical providers and parents



QUESTIONS?

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