

Data Integration to Advance Equity in Health and Education Through Cross Sector Collaboration

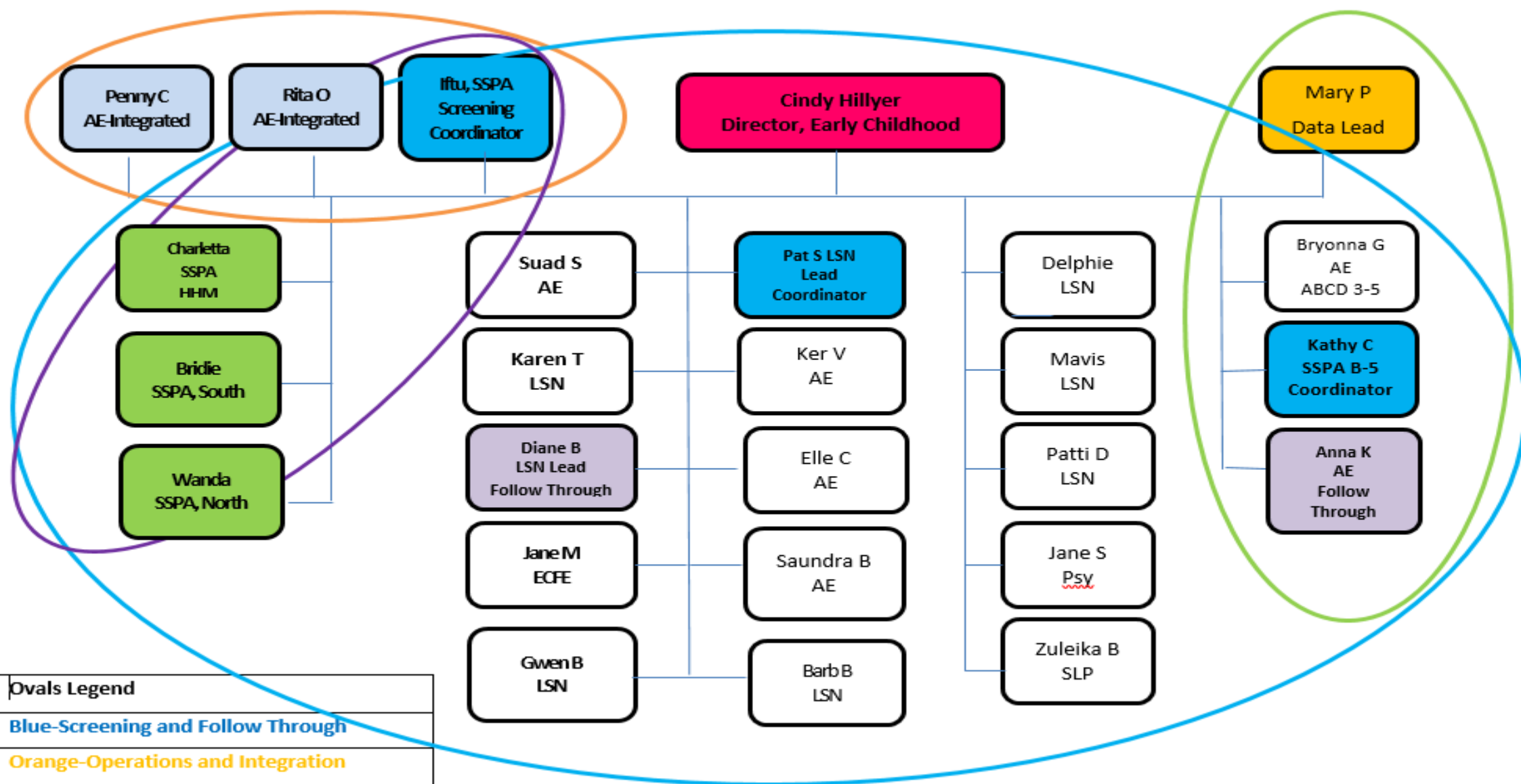
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Director, Early Childhood Education

Minneapolis Public Schools



Functional Organizational Chart



Ovals Legend

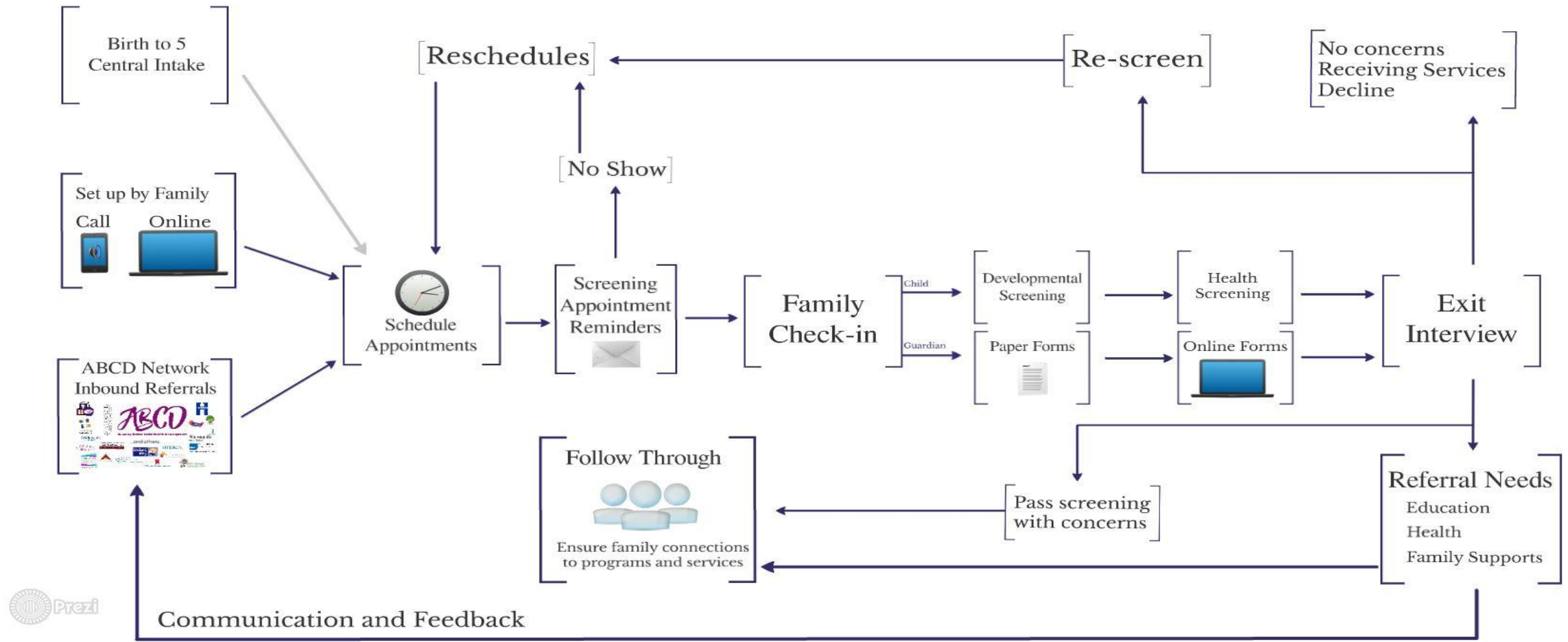
Blue-Screening and Follow Through

Orange-Operations and Integration

Green-Data and Reporting

Purple-Partnerships and Outreach

ABCD School District Work Flow Diagram

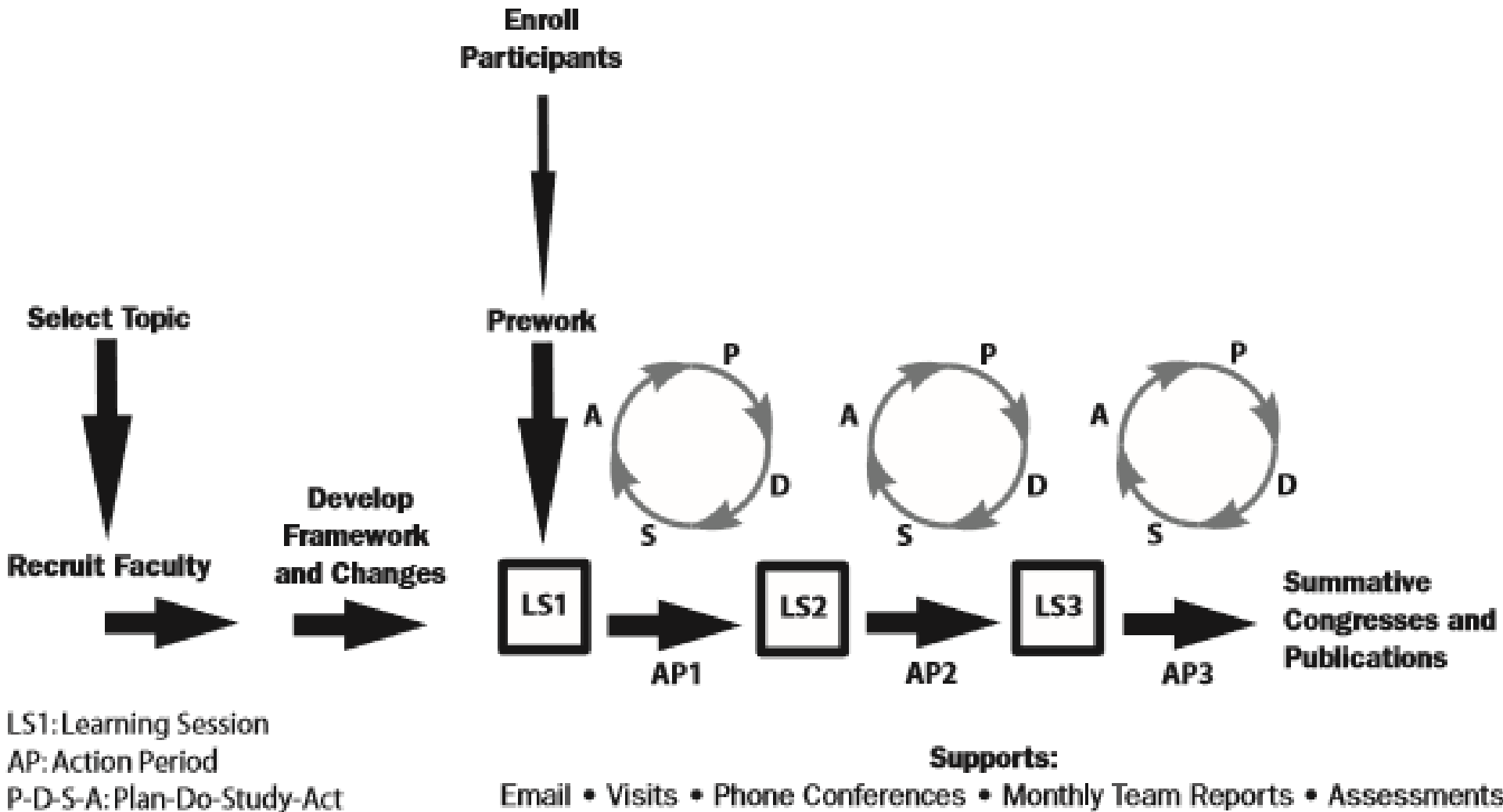


Minneapolis Public Schools Early Childhood Screening and B-5 Central Intake Data Summary 2018

- 4643 children screened
- 1707 three year olds screened
- 69% Children of Color Screened
- 29% English Learners Screened
- 1994 ABCD Clinic Partner Referrals (3-5 years)
- 1890 Early Intervention Referrals (Birth-2)
- 8029 follow up contacts after the screening appointment

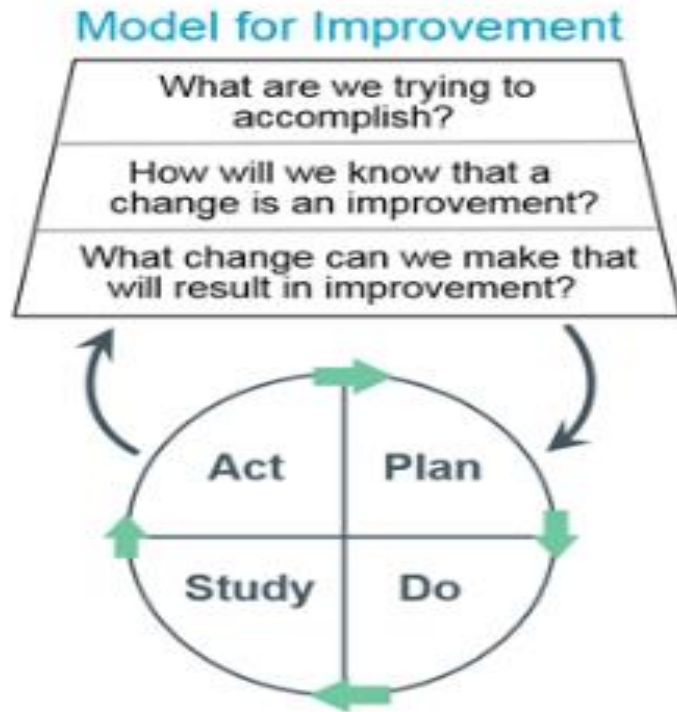


Figure 2. Breakthrough Series Model



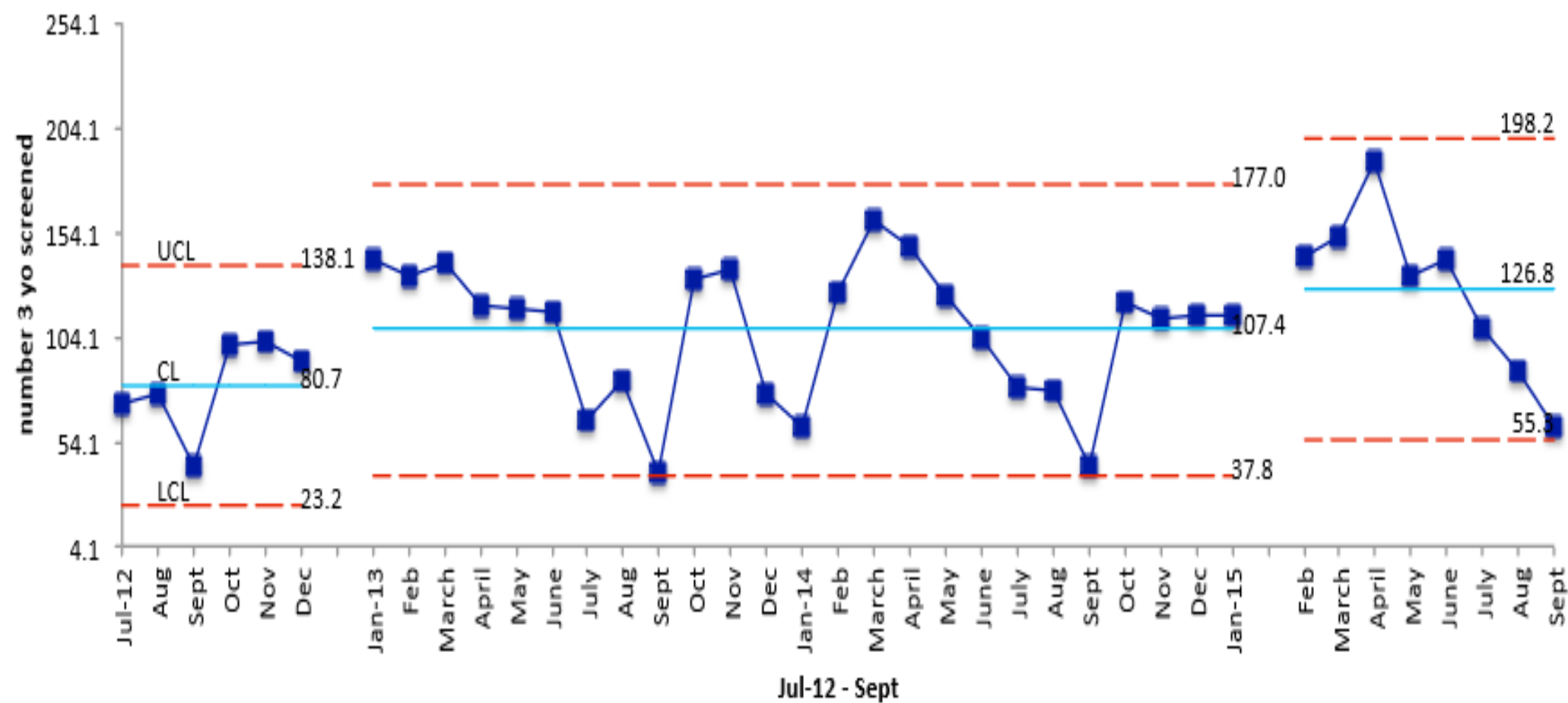
<u>Aim</u>	<u>Primary Drivers</u>	<u>Secondary Drivers</u>	<u>Changes</u>
By July 4, 2020 Improve school readiness for children of color and American Indian children	Cross Sector and Family Collaboration	Clinics	<p>Screen at WIC visits</p> <p>Develop reliable screening & referral process to schools</p> <p>Develop registry to follow up with referrals</p> <p>Create shared consent agreements</p> <p>Focus on access to services</p> <p>Hire staff who reflect culture groups</p> <p>Coordinate with other schools</p> <p>Refer to EL Programs</p> <p>Develop follow through core services</p> <p>Carefully follow those not on track @ 3</p> <p>Use Medicaid funding for referrals; cooperate with DHS to bill for services for those without IEP or IFSP</p>
		Schools	
	Communication	Family	<p>Connect screening, id of problems with access to resources</p> <p>Work with family partners for messaging the value and import of screening and services</p> <p>Develop cultural humility and incorporate into approaches</p> <p>ID early learning resources eg, Head Start, Libraries, ECE</p> <p>Screen at places families and children frequent; engage families most underserved</p> <p>Support transition out of service (Part C)</p> <p>Inform policy for system coordination eg, data sharing</p>
		Internal	<p>Track referrals at reliable intervals</p> <p>Establish follow up protocol</p> <p>Connect with families for follow up support</p> <p>Share project status with leadership</p> <p>Recruit leader to communicate project status in-and external</p>
		External	<p>Communicate referral outcomes and status to referring providers</p> <p>Share project status, result, partnerships, barriers (storyboard)</p>

Continuous Quality Improvement

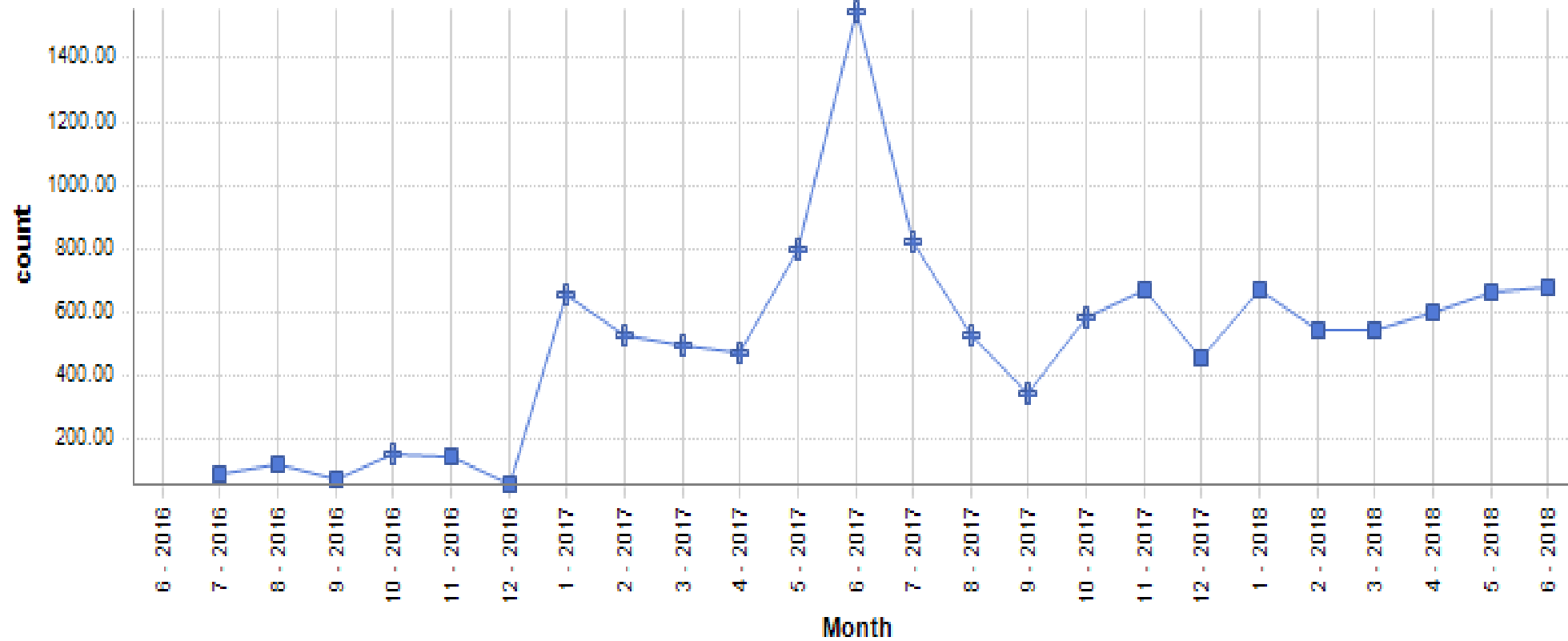


- Test ideas on small scale first.
- Design change ideas across departments internally and across sectors externally.
- Promotes adoption of new core services and improvements
- Continuous Quality improvement paired with shared learning accelerates outcomes.

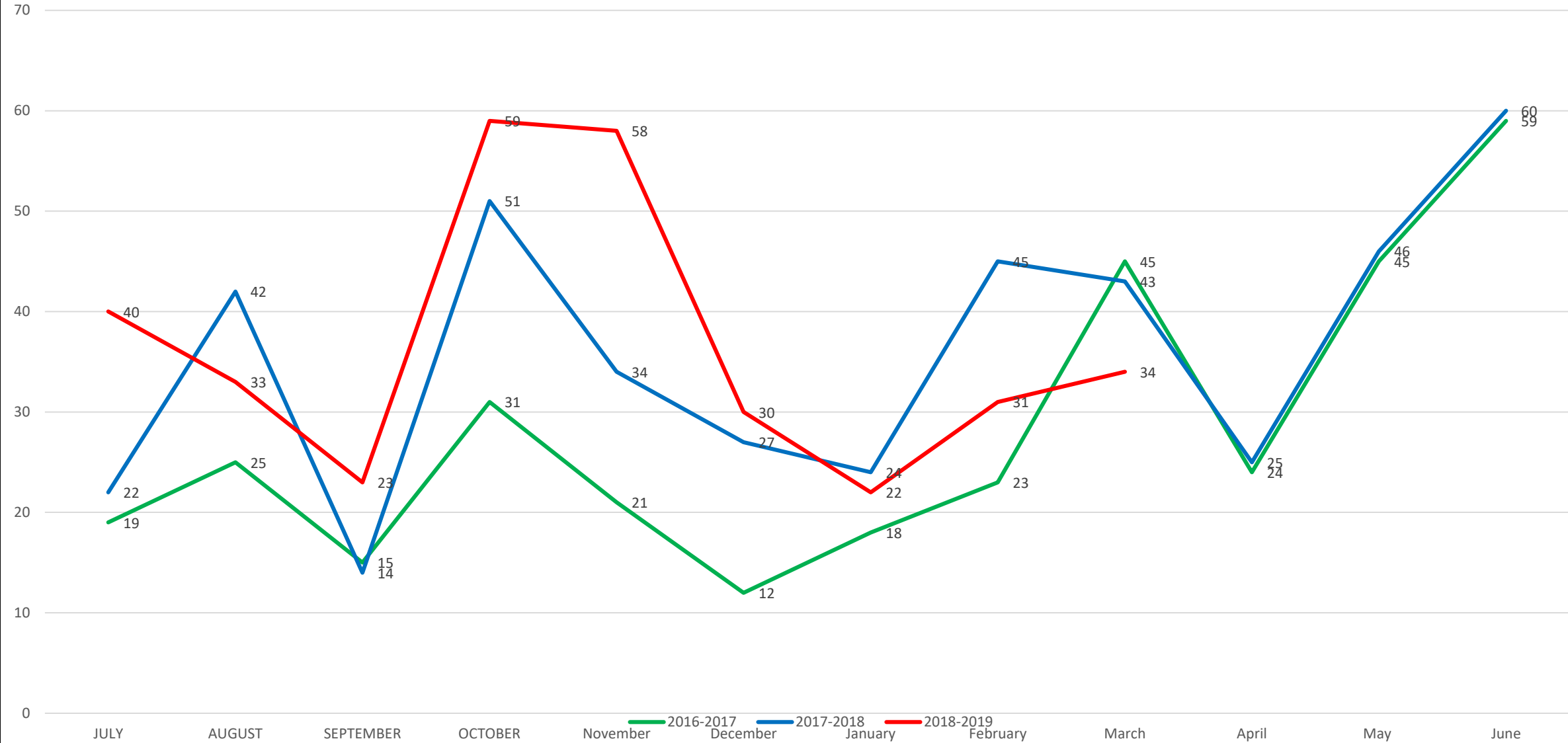
3 y o screened MSP 2012-2015 X Chart



Minneapolis Public Schools Number of families who follow up after screening



Vision Referrals by Month

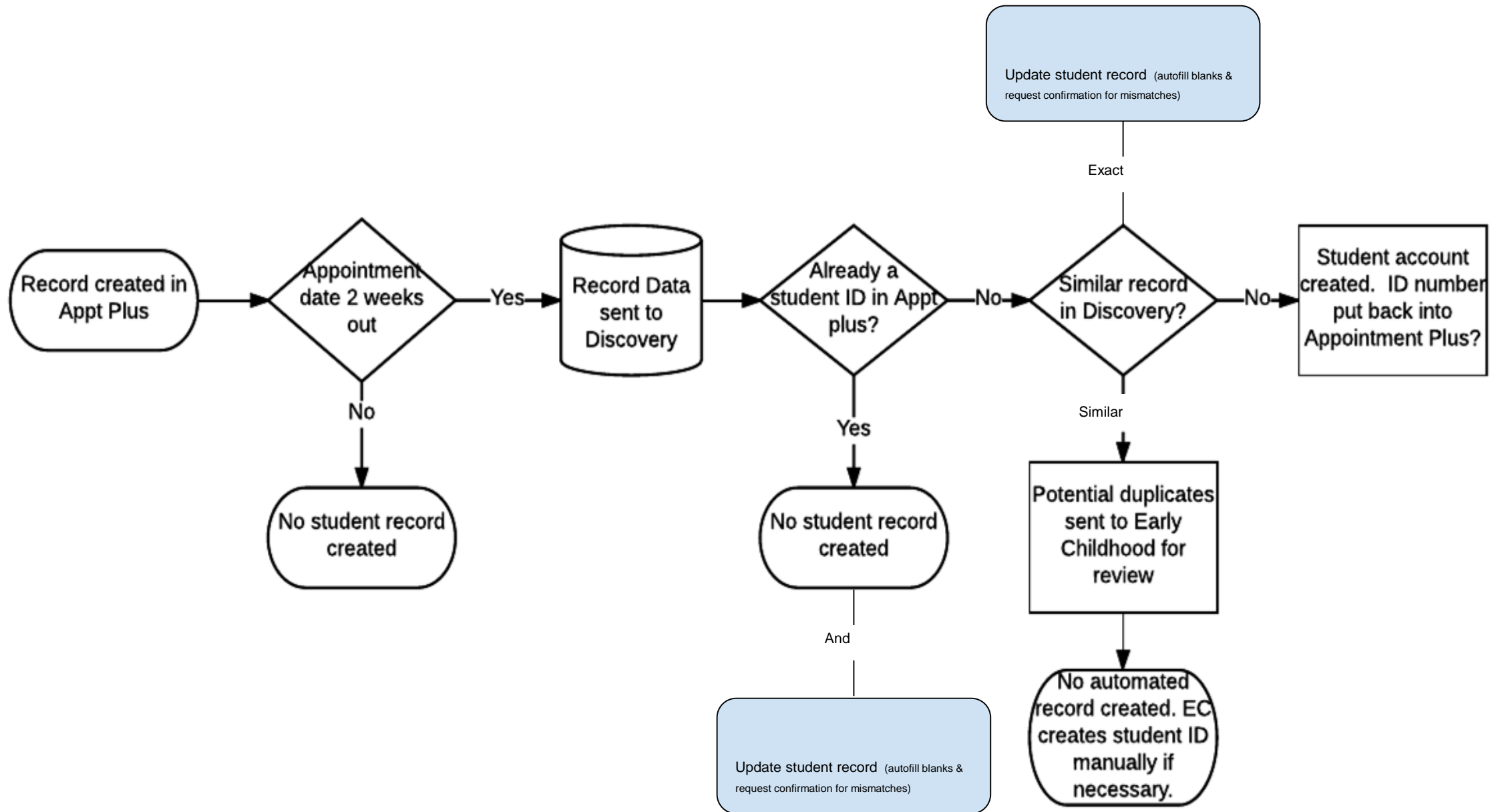


Problem: Inefficiencies

- 3 Manual points of data entry for each student
- 3 Electronic Student Info Software databases Appointments Plus, Discovery, Ed Plan (IEP)
- 3 Excel referral databases-Inputs: B-5 Central Intake, School Readiness Referrals, referrals out
- Unable to cross reference databases electronically
- Inefficiency, potential for lack of data integrity

Solutions

- Analyze current workflow for data entry points including operations, screening, B-5, referrals in and out, follow through, final outcomes
- Objective: Build efficiency through one data entry point for each student and one platform that houses comprehensive student info
- Create a data work flow plan that integrates all data logs and data systems
- Engage IT and vendor in the development of a data integration scope of work
- Implement



Student Info

ID# 00000

Student: Last Name, First Name

DOB 7/17/2013 Age 4 yrs. 4 mths.

Address:

Street address

MINNEAPOLIS

MN

55000

Parent Name: Last Name, First Name

Email: mail@gmail.com

Phone: (000)000-0000

Screening Date: 2/28/2017

Screening Decision: Refer

Race: White

Hispanic: Yes

Gender: Female

Language: Spanish

Interpreter? Yes

FT Log



Add Call

Priority: ☒ADOCH ☒

PPP Vision

Partners: Joyce

Attempted Calls	Staff:	MW	Staff:	MW	Staff:	MW	Final Result	Result Nurse Only
	Date:	May-05	Date:	May-16	Date:	May-29		
	Time:	13:42	Time:	10:22	Time:	13:42		
	Notes:	LVM	Notes:	LVM	Notes:	Connected		
Referral Needs	Details:		Details:		Details:			
Cognition								
Vision								
Speech/Language								
Social/Emotional								
High 5								
Fine/Gross Motor								
Dental								
ECFE Personal Visit Program								

How does data integration build equity?

- All relevant student data feeding into central platform.
- Improved data integrity supports clean data analysis of service delivery by ethnicity and demographic groups in community.
- Confidence in using information to assure equitable access for all people groups.
- Customer ethnicity and language demographics guides staffing composition.
- Use developmental screening results to prioritize placement in preschool.
- Quickly identify populations shifts and trends and adjust service delivery to meet needs.

Contact Information

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