

How Can We Move the Needle on the "Word Gap"?

How can we engage communities in designing environments that help promote their children's language, early literacy, school readiness, and put children on positive life trajectories?



7

We will have 10 min Q & A after each presentation.

Lengthier discussion about how to put community engagement in community-engaged research in the last 30 mins of the breakout



A Community Planning Action Guide for Strengthening Children's Language Learning Opportunities in Underserved Communities

Charles R. Greenwood¹, Judith J. Carta¹, Alan Schnitz¹, Dale Walker¹, Valerie Thompson², Dola, Gabriel², and Jomella Watson-Thompson²

Juniper Gardens Children's Project¹ and Center for Community Health and Development² University of Kansas February 11, 2022 CRIEI, San Diego, CA

What is the problem?

9

- Too many children are not ready for preschool and kindergarten because of language and early literacy concerns.
- Many parents of young children have not had the opportunity to learn how they can promote their children's early language learning.
- The pervasiveness of language learning opportunities starting at birth is low and variable across children, families, and communities.



Greenwood, C. R., Thiemann-Bourque, K., Walker, D., Buzhardt, J., & Gilkerson, J. (2011). Assessing children's home language environments using automatic speech recognition technology. Communication Disorders Quarterly, 32(2), 83-92.

What do we know about a solution?

O Children begin learning language at birth.

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- Language learning requires responsive interactions with caring adults (Language Nutrition™).
- We have a number of language promoting interventions and strategies that work
- Birth to three years are an untapped opportunity to prevent later gaps in school and later life
- Public health and prevention science provide models for population-level change, not just one family at a time.





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So, how do we reach <u>all</u> prospective families with young children not just those who we typically serve?

How do we promote language learning equity for <u>all</u> children from birth to 3 years? For example, Kansas City, KS?

Put the child's ecology in action and sustain it!

Build out a community coalition with a mission to strengthen language learning community wide:

The coalition engages multiple community sectors (e.g., pediatric, education, businesses, home visiting programs, faith-based entities, etc.).

It empowers them to identify the evidence-based strategies and tools that best fit their community and collect information on their progress/success.

13 14

Goal and Purpose

- Our goal is to improve young children's language learning opportunities and outcomes at <u>individual and population</u> levels.
- Our purpose today is to report development of a Community-Wide Ecological Intervention, its measurement, and initial effects.



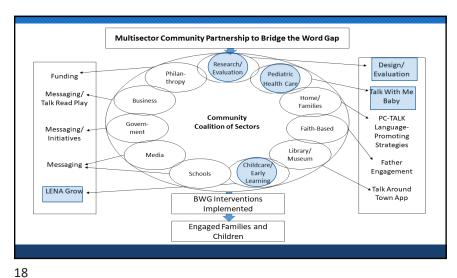
Questions we address today are:

- 1. What intervention components, measures, tools, and media/materials were developed?
- 2. To what extent was the BWG community initiative's planned actions implemented?
- What community changes occurred in practices, programs, and policies?



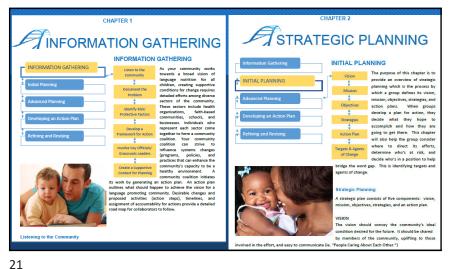
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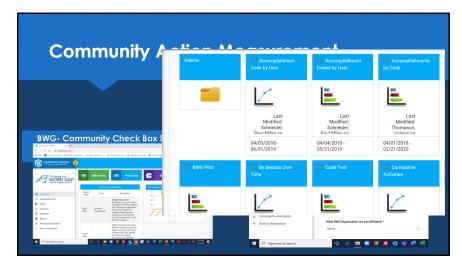
Actio	nmunity Wide Intervention: Our on Planning Guide Supports nmunity Leaders:
1 2	Identify the community's needs and document the problems. Select messengers across different sectors in the community who can spread the word about the value of talking to young children.
3	Form a multi-sector community partnership with a common goal of promoting children's language development.
4 5	Develop a strategic community plan and collaborate with stakeholders across multiple sectors to refine the plan. Implement the plan, document progress, and renew efforts when necessary.

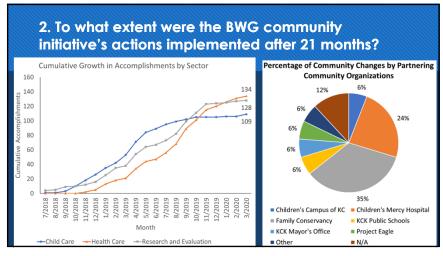
BWG-CAPG Chapters and Content Description						
	Chapter	Content Description				
1	Introduction to the Problem	The Word Gap and its negative consequences for children, families, and communities				
2	Organizing Your Coalition and Gathering Information	Facts about your community and how to build a coalition to address local needs and risks				
3	Overview of Strategic Planning	Developing vision, mission, objectives, strategies and action plans				
4	Working Together	Partnerships, identifying, and enrolling key sectors of the community to involve as partners.				
5	Preparing Your Action Plan	Identifying potential community and systems changes needed				
6	Refining Your Action Plan	Building consensus on the proposed changes				
7	Finalizing Your Action Plan	Identifying action steps to address each desired change in the final plan				
8	Documenting Progress and Promoting Renewal	Collecting and using progress data to support making decisions for allocation of efforts to renew and sustain the program going forward				
	Appendix A:	Worksheet for action steps needed to make identified changes.				

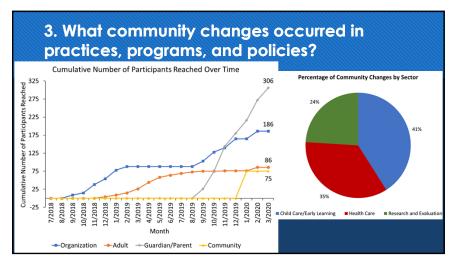












Innovation

- The BWG-CAPG expands the ecological support available to children and families typically provided by only single-sector early learning (i.e., El, ECSE, child care) alone.
- The support is in the form of multiple, simultaneous interventions.
- Focus is on prevention and improvement both individual and community-level outcomes.
- The community-level measurement system documents progress within and across sectors over time in implementing the community collaborative project.

Implications

Within underserved communities, implementation of the BWG-Guide provides a practical approach to prevention of the Word Gap by increasing the pervasiveness of rich language experiences at home and across the everyday places in the community, and improved preschool readiness.

Home Well-Child Childcare Laundromat Traffic Billboard

Traffic Billboard

27

Next Steps

- Currently planning a full sector trial of the BWG-Guide over next 2.5 years
- Looking to add additional EBPs to strengthen the Guide (e.g., Laundromat Interventions – Neuman, Two generation pediatric program – Staple-Wax), and other partners.
- Developing online measurement tools for evaluating:
 - Reach out to families their exposure, and engagement in the intervention
 - O Caregivers change in knowledge, practice, and their
 - Children's language outcomes
 - Effects of BWG favorable policies, programs, and practices.



30

29

Discussion Questions

- Are there other ways to extend language rich learning environments to all children in a community, and not just to those who may have documented delays in language?
- 2. How is the concept of multidisciplinary collaboration construct extended in this community-level approach to prevention?
- 3. Do we have effective ways of engaging the larger community in supporting children's learning beyond El and ECSE programs?

References

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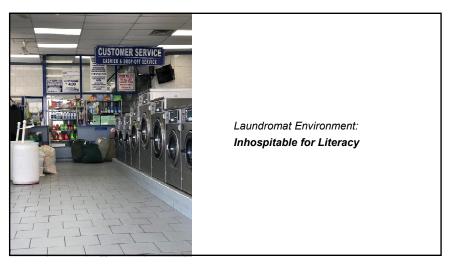
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Zauche, L. H., Mahoney, A. E. D., Thul, T. A., Zauche, M. S., Weldon, A. B., & Stapel-Wax, J. L. (2017). The power of language nutrition for children's brain development, health, and future cademic achievement. *Journal of Pediatric Health Care*, 31(4), 493-503. https://doi.org/10.1016/j.pedib.2017.01.007





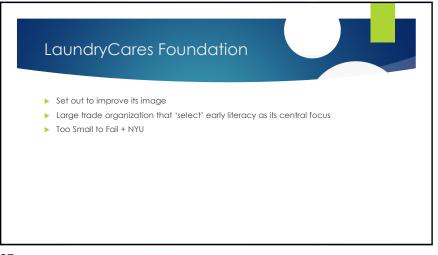




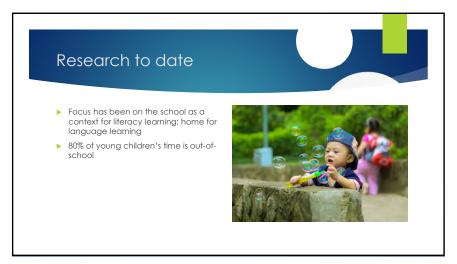


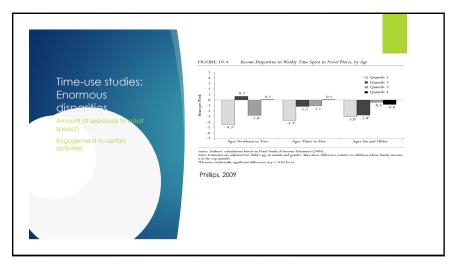
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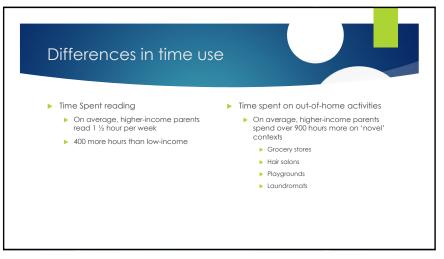
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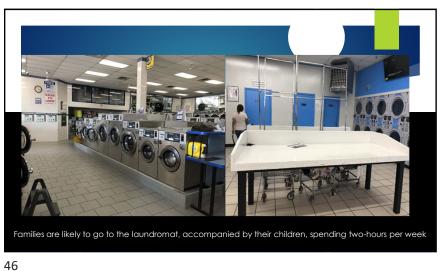


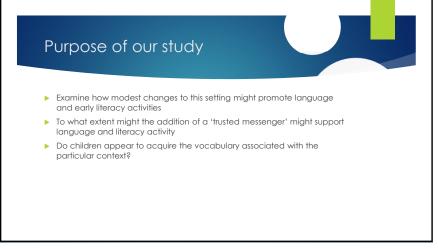








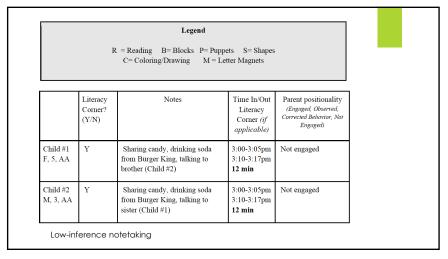


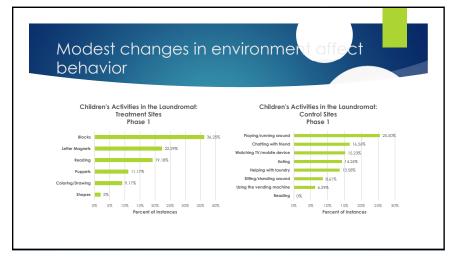


Methodology · 20 laundromats in low-income · Observational data collection neighborhoods: 576 hours in treatment sites (288 visits) and 10 treatment, 10 control 196 hours in control sites (98 visits). Conversations with more than 500 parents · Two Phases Baseline—Frozen time checks and caregivers · Phase One - Space · Frozen time checks transformation with "Family Read, · Vocabulary test Play & Learn" spaces (3 months) • Phase Two - Bi-weekly family story times with trained Chicago Public Library librarians (3 months) NYU STEINHARDT

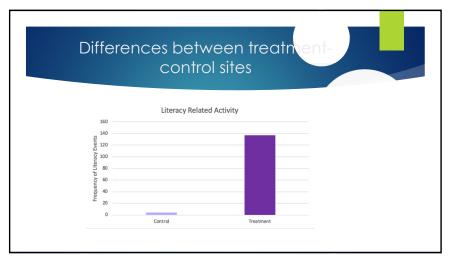




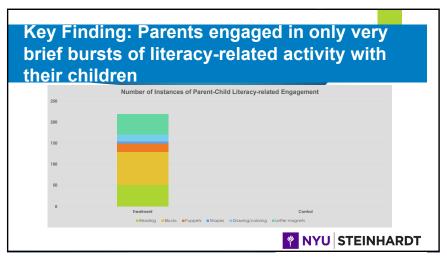




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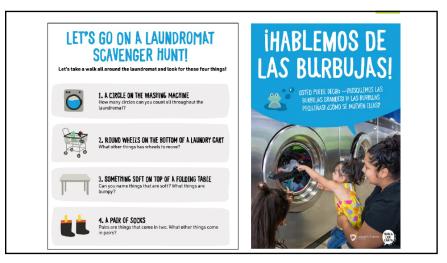






Summary of Phase 1: Creating a Literacy Culture • Significant and educationally meaningful changes as a result of the changes in the environment. • Child-to-child engagement was high. • Parent activity was very brief; in most cases they observed or monitored child activity.









59



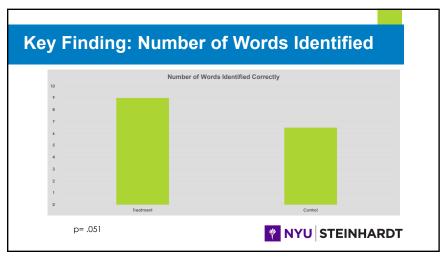
Key Finding: Striking Changes in Literacy
Activity

Placing "Family Read, Play & Learn" spaces in laundromats had an overwhelmingly positive effect on children's literacy-related activity during their visit.

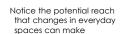
Per relatively few parent-child interactions; mostly monitoring or observing

61



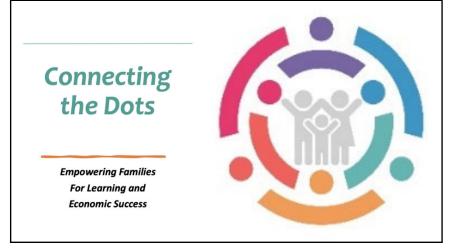


Laundry Sites	Treatment	Neighborhood	% of households	Race/Ethnicity
by area code+	Condition (T or C)	Population++	below poverty line	(primary groups
60617		81,227	33.39%	55% Black
Super Dry	I			37.20 Latino/a
Super Suds	C			
60639		90,767	49.52%	78% Latino/a
Drip 'n dry	T			13% Black
Super laundry	C			
60632		91,644	45.29%	84% Latin/o
Suds & Soap	T			9% Black
Superior	C			
laundry	-			
60623		88,586	36.54%	65% Latino/a
Ace laundry	T			31% Black
Baker laundry	C			
60629		114,129	40.88%	71% Latino/a
Blue springs	T			20% Black
Blue bonnet	C			
60620		69,195	38.89%	96% Black
Big blue	T			2% Latino/a
Busy Bee	<u>C</u>			
60652		43,582	61.50%	47% Black
Sunrise	I			39% Latino/a
Splash	C			
60618		95,218	59.14%	47% Black
Cin City	I			41% Latino/a
City suds	C			
60609		60,994	34.85%	54% Latino/a
Rainbow	I			24% Black
Dryer	C			
60608		80.059	54.67%	49% Latino/a
Comet	T			21% White
Chase	C			17% Black
				13% Asian



Environmental changes provided opportunity to learn; Environmental changes + assisted performance provided more sustained literacy-related play However, relatively little effect on parent-child engagement Limitations of methodology Partnerships with community stakeholders and local trade organizations may play a powerful role in children's school readiness ▶ Established kits for communities

65



Rationale

- A 2018 Bloomberg report ranked Atlanta as the worst city in the United States for economic mobility.
- Georgia is also plagued with stark health and educational disparities that disproportionately impact certain racial and socioeconomic groups.
- Third grade reading achievement, a predictor of high school graduation, is one of the lowest in the country for children from economically disadvantaged households. These factors have serious repercussions on the child, parent, and family.
- Many initiatives across the Atlanta community focus on addressing these issues for families with varying approaches and degrees of long-term success.
- To date, the cross-pollination and connections among these efforts have been imperfect and insufficient to bring about the optimal, lasting outcomes Atlanta's children, parents and families need and deserve.
- Connecting the Dots (CTD) involves a multi-component intervention including child-level and adult-level interventions (2 generation) to support families on their journey towards long-term educational and economic attainment

67

Project Aims



- Connecting the Dots (CTD) is a two-generation (2Gen) effort to implement effective intervention strategies for families that will support them on their journey towards long-term educational and economic attainment.
- CTD will provide innovative interventions and seek to facilitate collaboration among targeted community organizations in support of families engaged in this project.
- CTD will leverage family-centered goals and interventions to ensure two primary goals
 - 1. Children are on a path to reading at proficient level by end of 3rd grade
 - 2. Parents are on a path to long-term economic stability

69

Method



- CTD engages a cohort of 100 families residing in three low-income zip codes receiving prenatal care at Grady Memorial Hospital in a prospective longitudinal study following infants' first two years.
 - Intensive coaching for families during the first two years their baby's life
 - · Prioritizing meeting the families where they are and home visiting model
 - · Reducing barriers to a family's success through well established community referrals
- · Research design will track progress of baby and family
 - Measures include direct observation of parent-child reciprocity and child language development, as well as self-report parental self-efficacy, knowledge, and competence.
 - Additional measures include parental workforce training and education in support of economic stability.
 - Qualitative methods will explore community-based strategies for engagement and sustainment.

Guiding Principles of 2GEN

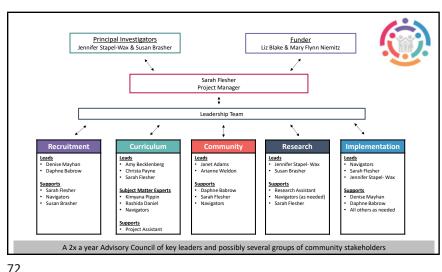


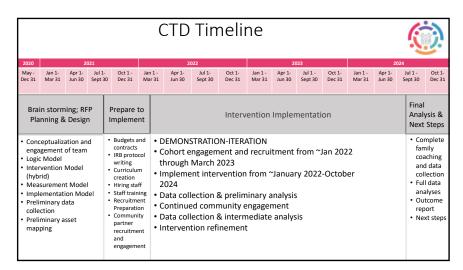
CTD embeds the five guiding principles of a two-generation approach* through program design, practice, and policy, and is designed to:

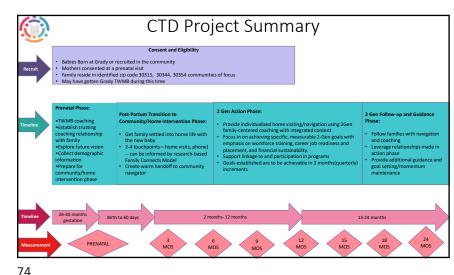
- 1) Measure and account for outcomes for both children and their parents.
- Engage and listen to the voices of families so that their perspectives and experience inform program and policy design.
- Ensure equity by evaluating and addressing structural problems that create gender and/or racial and ethnic disparities in the ways that programs provide services and assistance.
- Foster innovation and evidence together by applying insights from prior evidence-based research to build a deliberate pathway to ensure innovation.
- 5) Align and link systems, funding streams, outcomes, policies, and practices. Rarely will single funding streams fully address all the needs of children, parents, and families. CTD will align resources, not limited to funding, to implement a two-generation approach. Aligning and linking systems at the state and community level while simultaneously pursuing improved outcomes for both parents and children will lead to two-generation success.

*https://ascend.aspeninstitute.org/two-generation/guiding-principles/

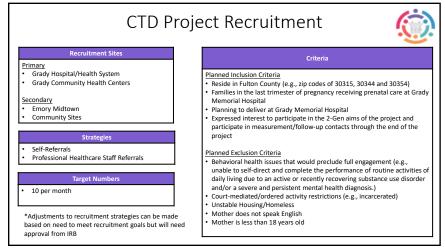
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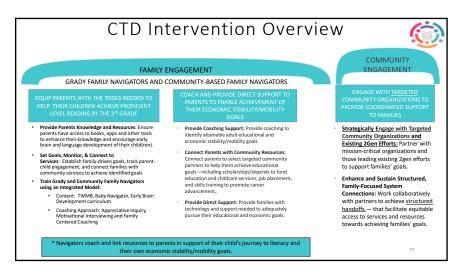




Demonstration Project Objectives Benefits to Families Test Components of Larger Project How families are engaged with at the start of Talk With Me Baby (TWMB): The demonstration project the project (recruitment, welcome kit, initial will extend TWMB concepts learned at Grady and provide meetings etc.) opportunities for families to practice TWMB concepts in the home environment with the baby. Different modalities for engaging parents in CTD, focus on home visiting but allowing for Access to Coaching: Families will receive support and other variations (office at Grady, Zoom, texting, coaching by trained navigators. calling etc.) Goal Setting: Navigators will work with families to practice The iterative process of the multidisciplinary setting short/long-term goals for Family, Mother and Baby. team on content, engagements, and overall project strategy Community Resources: Families will be connected to community resources that will start the family on the path to self-sufficiency

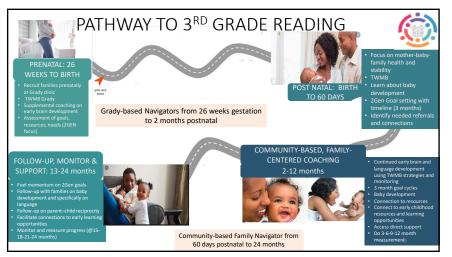


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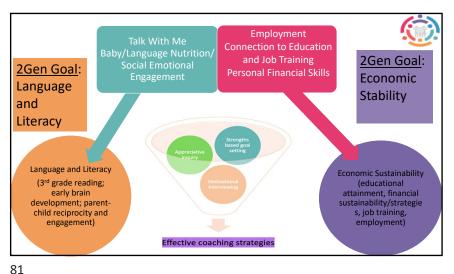
CTD Curriculum Age range of child Prenatal - 4-Month-Old 11- 16 Months 5 - 10 Months 17 - 24 Months Informed Consen Introduction to the project Celebrating family's role in helping verall Project Inclusion Criteria Met haby thrive Language Nutrition Responsive Interactions Application of concepts from 1-5 Tracking development milestones Application of concepts from 6-10 Tracking developmental milestone Application of concepts from 11-15 Tracking developmental milestones How to talk with your baby Introduce and Practice Introduce: The power of books and Introduce • The power of affirmations and Interactive storybook time Baby Cues SingPlay loving words Building Vocabulary
 Importance of Open-Ended Parentese Rook Selection Early Learning CDC Developmental Milestone: READ Strategy Playtime: Age-appropriate activities Questions Common myths and misconceptions about language development Who are my supports? What is my dream job? Introduction to Budgeting and Credit Introduction to the Benefits Cliff What are my interests? Scores How to understand a paystub What does self-sufficiency look like Addressing immediate What are my skills (Technical, Soft What are my goals for the future? concerns/referrals and Transferable) What are Employee Benefits Path to Self-Sufficiency Family wellbeing (self assessment) How have different experiences (work, stay at home mom etc.) · Addressing immediate concerns/referrals developed my skills What is a career pathway What are career paths are "in-Practicing Goal Setting demand"

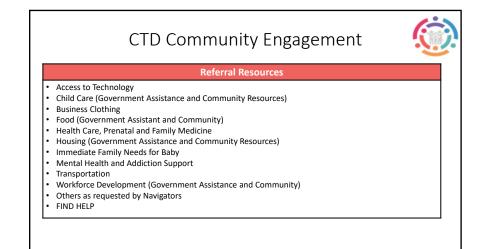
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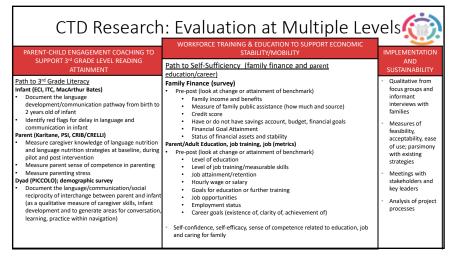


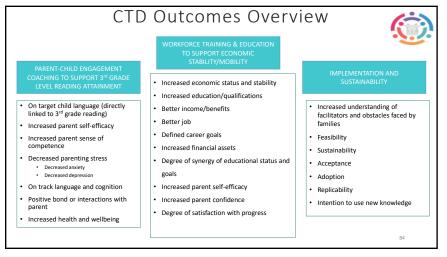
Pathway to Economic Self Sufficiency PRENATAL: 26 WEEKS TO POSTNATAL 60 DAYS Assessment of goals, resources, needs (2GEN focus) Explore goals and pathways for financial/economic stability Consider education or job goals (Education/Training Track or Job Placement/Wage Earning Track) Focus on mother-baby-family health and stability COMMUNITY-BASED, FAMILY-CENTERED COACHING: 2-12 months and 13-24 months Education/Training Track **Job Opportunities Track** Together with Navigator, meet with Education, Training, Complete CTD curriculum for financial literacy and and/or Career Development Specialists to develop longmanagement with community navigators/agencies term strategy and quarterly goals and objectives Connect with Community-based Employment Partners Complete CTD curriculum for financial literacy and providing recommended resources for job placement management with community navigators/agencies Meet with assigned community partner for career Attain desired level/type of education and/or training as a assessment, career improvement plan while setting step toward achieving lasting economic stability financial objectives Work with Community Navigators to incorporate lessons Attain desired level/type of employment and/or training as learned from the financial & parenting curriculums and a step toward achieving lasting economic stability learning experiences into SMART goals COMMUNITY-BASED, FAMILY-CENTERED COACHING: 13-24 months Fuel momentum on 2Gen goals Follow-up on economic stability goals, educational attainment goals, employment training and job progress

79









Implications and Innovation



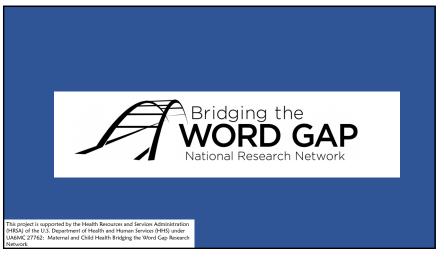
- CTD is a scalable, evidence-based intervention that combines a family-centered approach, community navigation, home visitation, and goal setting to engage parents on the importance of language in the earliest stages of their child's brain development (i.e., Talk with Me Baby) to strengthen language-rich social interactions with their babies.
- CTD employs 2Gen approaches to build family well-being by simultaneously working with children and caregivers to address:
 - Postsecondary Education and Employment Pathways
 - Early Childhood Education and Development
 - Economic Assets
 - With additional downstream/long term and longitudinal impact on K-12 Education, Health and Well-Being, Social Capital

Innovation



- CTD offers a possible model for other communities seeking a two-generation approach
- 2 Gen intervention combining early childhood learning, parent learning and building/enhancing self-efficacy, and financial sustainability/educational attainment
- Integration of targeted intervention to families giving birth at Grady and returning home to the area with the lowest economic mobility in the country
- Ensuring the services and programs available are maximized and where a gap exists, working with community partners to address it as possible
- Creating the foundations for success; ensuring that resilience can triumph over risk; creating conditions for economic and educational success and for the foundations for being on track for language and literacy

85



Co-Pls
Dr. Judith Carta
Carta@ku.edu
Dr. Charles Greenwood
Greenwood@ku.edu
Dr. Dale Walker
Walkerd@ku.edu

Bridging the Word Cap Research Network

Co-Pls
Dr. Judith Carta
Carta@ku.edu
Dr. Charles Greenwood
Greenwood@ku.edu

Bridging the Word Cap Research Network

Co-Pls
Dr. Judith Carta
Carta@ku.edu

Project Coordinator
Dr. Alana Schnitz
Caschnitz@ku.edu

Www.bwgresnet.ku.edu

BWCResNet

Fridging the Word Cap Research Network

Co-Pls
Dr. Judith Carta
Carta@ku.edu

Dr. Alana Schnitz
Caschnitz@ku.edu

Www.bwgresnet.ku.edu

87

Thank you!