

## **Attachment D: Outcomes and Measures for FY 2020-21**

Outcomes are changes that occur as a result of program implementation. They are a statement of your impact. Outcomes are changes in knowledge, skills, attitude, behavior, status, or situation for the people served.

Partnerships will select at least one outcome for each Smart Start funded activity, and in several cases, multiple outcomes in order to communicate the full impact of each individual activity. Program implementation data is collected via specific measures. This outcome data is reported to NCPC twice within each fiscal year—January 31 and June 30. These data will provide statewide information about the impact of Smart Start funded activities, as well as provide information to help the Smart Start network develop a culture of continuous quality improvement.

### **Smart Start Common Outcomes**

With hundreds of activities funded with Smart Start funds, a set of common outcomes were developed, with the assistance of local partnership staff, to synthesize outcomes by core service – early care and education, family support, health – and consider the commonalities across the wide variety of activities within each core service. The idea being that no matter what the activity, most of them are trying to achieve fairly similar outcomes.

#### *Early Care and Education*

Improved access to high quality care

Improved ECE program environment

Decrease in staff turnover

Improved teacher knowledge

Improved director knowledge

Improved teacher/child interaction

Increase in the provider practice of healthy behaviors

*NEW* Enhanced ECE Program Quality (merged two previous outcomes into one outcome, Increase in program quality + Maintain high program quality)

#### *Family Support and Health*

Increase in parent knowledge

Increase in positive parenting practices

Increase in parent use of services (primarily for those programs where, overall, parents have a low usage of service when they start the activity)

Increase in parent social support

Increase in developmental screenings or assessments, referrals, and child use of services

Increase in child practice of healthy behaviors

#### *Early Literacy*

Increase in frequency of adult and child shared reading  
Increase in the adult use of recommended reading strategies

#### Child Developmental and Learning Outcomes

More children on track for typical and/or enhanced development (including cognitive, language, physical, motor, and/or social/emotional development)

#### Systems Level

Increased coordination of early childhood system

#### Other

Other (please specify)

*We realize the outcomes on this list are written more broadly than how you may write your own activity-specific outcomes. Those of you who participated in the logic model trainings over the years may recall that you were trained to write very specific outcomes that included benchmark targets. The common outcomes are broader to meet the needs of a range of similar activities and do not include targets. You are encouraged to continue with your activity-specific outcomes and determine under which more generally worded common outcomes they fit.*

### **Required Outcomes**

After reviewing outcomes, measures, and results for previous years, we have developed the following guidance to inform outcome selection for FY 20-21. 'Recommended' outcomes are provided for each purpose service code (PSC) and in some cases there are required outcomes. We encourage local partnerships to consider measuring behavior change and child outcomes when possible.

The following PSC's have required outcomes for FY 20-21:

3125 Quality Child Care

3105 Accessing Higher Education

*NEW* 3107 Professional Development Supplements

*NEW* 3115 Lending Library

*NEW* 3322 NC Pre-K Quality Enhancement and Support

3414 Child Care Health Consultation (CCHC)

3424 Nutrition and Physical Activity

5410 Assuring Better Child Health and Development (ABCD)

5509 Parents as Teachers

5523 Reach Out and Read

5526 Dolly Parton's Imagination Library

When entering activities in Fabrik, please note which activities or PSCs have required outcomes. Partnerships may select outcomes in addition to the required outcomes, if they choose. Partnerships are encouraged to select multiple outcomes—as many as needed to reflect the full desired impact of program implementation.

## **Measuring Outcomes**

The more that partnerships use the same measurement tools and/or data sources to provide insight into their outcomes, the more the Smart Start system will be able to aggregate our results and make a stronger statement of impact across the Network. Therefore, some measures are now marked as required for certain outcomes. In some cases, the measure is indicated as being required for a particular activity.

Partnerships are encouraged to consult the Smart Start Outcomes Measurement Tool Resource Guide for information about each of the proposed measures and instructions for reporting results in Fabrik. The most recent edition is located on LP Central under Outputs and Outcomes>Measures Guide. The Measures Guide will be updated as needed, so we encourage you to use the electronic version.

The following tables provides a brief crosswalk between the Smart Start common outcomes and related measures.

## Recommended and Required Outcomes and Measures for Each Purpose Service Code

**FY 20-21 Outcome and Measure updates are highlighted**

PSC	Recommended or Required Outcome	Recommended or Required Measure
3104 Child Care Resource and Referral	<i>Recommended:</i> Improved teacher knowledge	<i>Recommended:</i> DCDEE Evaluation of Authorized In-service Training, specifically the question: <i>I gained skills I can immediately use in my job</i>
	Enhanced ECE program quality  Note: additional outcomes will be required based on the scope of the activity and the PIDs selected.	Participating facilities' star levels
3105 Accessing Higher Education*	<i>Required:</i> Improved teacher knowledge	<i>Required:</i> College course completion with a "B" or better
3107 Professional Development Supplements*	<i>Required:</i> Decrease in staff turnover	<i>Required:</i> Staff turnover calculation
3109 Training and Coaching/Mentoring	<i>Recommended:</i> Improved teacher/child interaction	<i>Recommended:</i> Select tool as required or recommended by each program national office or purveyor
3115 Lending Library*	<i>Required:</i> Improved ECE program environment	<i>Recommended:</i> Smart Start Lending Library Survey – Child Care

<b>PSC</b>	<b>Recommended or Required Outcome</b>	<b>Recommended or Required Measure</b>
	<p>If serving parents, in addition to ECE professionals:</p> <p>Increase in parent knowledge</p>	<p>Smart Start Lending Library Survey – Families</p>
<p>3122 Kindergarten Transitions</p>	<p><i>Recommended:</i></p> <p>Increased coordination of early childhood system</p>	<p><i>Recommended:</i></p> <p>Wilder Collaboration Factors Inventory</p>
<p>3123 Health Benefits for Child Care Providers</p>	<p><i>Recommended:</i></p> <p>Decrease in staff turnover</p>	<p><i>Recommended:</i></p> <p>Staff turnover calculation</p>
<p>3125 – Quality Child Care*</p>	<p><i>Required:</i></p> <p>Enhanced ECE program quality</p> <p>Note: additional outcomes will be required based on the scope of the activity and the PIDs selected.</p>	<p><i>Required:</i></p> <p>Participating facilities’ star levels</p> <p>Any additional measure that the partnership is using beyond star level, which can be for a quality outcome or other outcome unique to the activity. Possible measures include:</p> <ul style="list-style-type: none"> <li>• CLASS</li> <li>• PAS</li> <li>• BAS</li> <li>• POEMS</li> </ul>
<p>3318 Part Day Child Care Program</p>	<p><i>Recommended:</i></p> <p>More children on track for typical and/or enhanced development</p>	<p><i>Recommended:</i></p> <p>GOLD by Teaching Strategies</p>
<p>3322 - NC Pre-K Quality Enhancement and Support*</p>	<p><i>Required</i></p> <p>Enhanced ECE program quality</p>	<p><i>Recommended:</i></p> <p>Participating facilities’ star levels</p>

<b>PSC</b>	<b>Recommended or Required Outcome</b>	<b>Recommended or Required Measure</b>
<i>3414 – Child Care Health Consultant (CCHC)*</i>	<i>Required:</i> Increase in the provider practice of healthy behaviors	<i>Required:</i> NC Child Care Health and Safety Assessment
<i>3417 - Inclusive Child Care</i>	<i>Recommended:</i> Improved teacher/child interaction	<i>Recommended:</i> Teaching Pyramid Observation Tool (TPOT)
<i>3424 – Nutrition and Physical Activity*</i>	<i>Required:</i> Increase in provider practice of healthy behaviors	<i>Strongly Preferred:</i> Go NAP SACC
<i>5407 – Oral Health Services</i>	<i>Recommended:</i> Increase in child use of services	<i>Recommended:</i> Child Screenings, Referrals, and Use of Services Calculation
<i>5410 – Assuring Better Child Health and Development (ABCD)*</i>	<i>Required:</i> Increase in developmental screenings or assessments, referrals, and child use of services	<i>Required:</i> Child Screenings, Referrals, and Use of Services Calculation- Child-Other Service Use
<i>5413 – Prenatal/Newborn Services</i>	<i>Recommended:</i> Increase in parent use of services	<i>Recommended:</i> Parent Use of Services Calculation
<i>5415 – Health Care Access and Support</i>	<i>Recommended:</i> Increase in developmental screenings or assessments, referrals, and child use of services	<i>Recommended:</i> Child Screenings, Referrals, and Use of Services Calculation

<b>PSC</b>	<b>Recommended or Required Outcome</b>	<b>Recommended or Required Measure</b>
<i>5417 – Early Intervention Services</i>	<p><i>Recommended:</i> Increase in parent use of services</p> <p>Increase in developmental screenings or assessments, referrals, and child use of services</p> <p>More children on track for typical and/or enhanced development</p> <p>Increase in parent social support</p>	<p><i>Recommended:</i> Parent Use of Services Calculation</p> <p>Child Screenings, Referrals, and Use of Services Calculation</p> <p>DECA-C</p> <p>Protective Factors Survey Partial Scale: Social Support</p>
<i>5505 – Parent Education</i>	<p><i>Recommended:</i> Increase in positive parenting practices</p>	<p><i>Recommended:</i> Select tool as required or recommended by each program national office or purveyor</p>
<i>5506 – Family Support Services</i>	<p><i>Recommended:</i> Increase in positive parenting practices</p>	<p><i>Recommended:</i> Select tool as required or recommended by each program national office or purveyor</p>
<i>5509 – Parents as Teachers*</i>	<p><i>Required:</i> Increase in positive parenting practices</p>	<p><i>Required:</i> Report results on the PAT parent outcome measure that you selected from the PAT list of 8 parenting measures:</p> <ul style="list-style-type: none"> <li>• Adult Adolescent Parenting Inventory (AAPI-2)</li> <li>• Healthy Families Parenting Index (HFPI)</li> </ul>

<b>PSC</b>	<b>Recommended or Required Outcome</b>	<b>Recommended or Required Measure</b>
		<ul style="list-style-type: none"> <li>• Home Observation for Measurement of the Environment (HOME) Inventory</li> <li>• Keys to Interactive Parenting Scale (KIPS)</li> <li>• Parenting Interaction with Children: Checklist of Observations Linked to Outcomes (PICCOLO)</li> <li>• Parenting Stress Index (PSI)</li> <li>• Parental Stress Scale (PSS)</li> <li>• Parents' Assessment of Protective Factors (PAPF)</li> </ul> <p>AND</p> <p>If you are using Life Skills Progression (LSP) as a family assessment, report pre and post results for that measure also.</p>
<i>5510 – Family Intervention</i>	<p><i>Recommended:</i> Increase in parent use of services</p> <p>Increase in developmental screenings or assessments, referrals, and child use of services</p>	<p><i>Recommended:</i> Parent Use of Services Calculation</p> <p>Child Screenings, Referrals, and Use of Services Calculation</p>

<b>PSC</b>	<b>Recommended or Required Outcome</b>	<b>Recommended or Required Measure</b>
5512 – Literacy Programs	<p><i>Recommended:</i> Increase in frequency of adult and child shared reading</p> <p>and/or</p> <p>Increase in the adult use of recommended reading strategies</p> <p><b>Note: Motherread/Fatheread and Raising a Reader activities require both of these outcomes.</b></p>	<p><i>Recommended:</i> Motherread/Fatheread Intake and Exit Surveys RAR Parent Survey</p> <p>Motherread/Fatheread Intake and Exit Surveys RAR Parent Survey</p>
5517 – Community Systems Building and Public Awareness	<p><i>Recommended:</i> For <u>systems building</u> activities: Increase in coordination of early childhood system</p> <p>For traditional <u>outreach</u> activities: Increase in parent knowledge or Increase in parent use of services or Improved teacher knowledge</p>	<p><i>Recommended:</i> Wilder Collaboration Factors Inventory</p> <p>Smart Start Outreach Measure</p>
5523 – Reach Out and Read*	<p><i>Required:</i> Increase in frequency of adult and child shared reading</p> <p>and</p>	<p><i>Required:</i> ROR Parent Survey</p> <p>ROR Parent Survey</p>

<b>PSC</b>	<b>Recommended or Required Outcome</b>	<b>Recommended or Required Measure</b>
	Increase in the adult use of recommended reading strategies	
<i>5525 – Intensive Home Visiting</i>	<i>Recommended:</i> Increase in positive parenting practices	<i>Recommended:</i> Select tool as required or recommended by each program national office or purveyor
<i>5526 – Dolly Parton’s Imagination Library*</i>	<i>Required:</i> Increase in frequency of adult and child shared reading	<i>Required:</i> Smart Start DPIL Parent Survey

*\*This PSC has a required outcome-*

## Smart Start Common Outcomes and Measures

How will you measure each outcome you selected for this activity? Guidance on measures is provided below. In some cases, measures will be marked as being required either for certain outcomes or activities. You will indicate in Fabrik the measure you will use for each outcome. When you have a choice, we encourage you to select the measures that the purveyors require if applicable. When multiple measures are listed you should generally select just one, though you may select more. It is ideal for the Smart Start system that partnerships selecting the same outcome also use the same measure. When none of the recommended measures is a good fit for an activity, you may select "Other" and describe how you will measure the outcome.

Additions or changes are highlighted in yellow.

<b>Smart Start OUTCOMES</b>	<b>Recommended or Required MEASURES</b>
<u>Early Care and Education</u>	
Improved access to high quality care	EC Profile PLA50 - Subsidized child placements in regulated child care programs
Improved ECE program environment	<ul style="list-style-type: none"> <li>a. Environment Rating Scales – DCDEE data</li> <li>b. Environment Rating Scales – local data</li> <li style="background-color: yellow;">c. POEMS (Preschool Outdoor Environment Measurement Scale)</li> <li>d. Teaching Pyramid Observation Tool (TPOT)</li> <li>e. Teaching Pyramid Infant Toddler Observation Scale (TPITOS)</li> <li>f. Smart Start Lending Library Survey – Child Care</li> </ul>
Decrease in staff turnover*	Staff turnover calculation** (required)
Enhanced ECE program quality*	<ul style="list-style-type: none"> <li>a. Participating facilities' star levels (required)</li> <li>b. Star Rating Education and Program Standards Points</li> </ul>
Improved teacher knowledge*	<ul style="list-style-type: none"> <li>a. NC Early Childhood Credential &amp; Coursework</li> <li style="background-color: yellow;">b. College Course Completion with a "B" or better (required for 3105 – Accessing Higher Education)</li> <li>c. Continuing Education Units (CEUs)</li> <li>d. Star Rating Education Points</li> </ul>

<b>Smart Start OUTCOMES</b>	<b>Recommended or Required MEASURES</b>
	<ul style="list-style-type: none"> <li>e. DCDEE Evaluation of Authorized In-service Training</li> <li>f. Smart Start Outreach Measure</li> </ul>
Improved director knowledge	<ul style="list-style-type: none"> <li>a. Program Administration Scale (PAS)</li> <li>b. Business Administration Scale (BAS)</li> <li>c. NC Early Childhood Credential &amp; Coursework</li> <li>d. College Course Completion with a "B" or better</li> </ul>
Improved teacher/child interaction	<ul style="list-style-type: none"> <li>a. CLASS (Classroom Assessment Scoring System) Infant</li> <li>b. CLASS (Classroom Assessment Scoring System) Toddler</li> <li>c. CLASS (Classroom Assessment Scoring System) Pre-K</li> <li>d. Teaching Pyramid Observation Tool (TPOT)</li> <li>e. The Pyramid Infant Toddler Observation Scale (TPITOS)</li> </ul>
Increase in the provider practice of healthy behaviors*	<ul style="list-style-type: none"> <li>a. NAP SACC</li> <li>b. Go NAP SACC</li> <li>c. Environment Rating Scales personal care routine subscale</li> <li>d. NC Child Care Health &amp; Safety Assessment (<i>required for 3414 - CCHC</i>)</li> <li>e. Be Active Kids Survey</li> </ul>

<i>Family Support and Health</i>	
Increase in parent knowledge	<ul style="list-style-type: none"> <li>a. Motherhead B.A.B.Y. Class Exit Survey</li> <li>b. Protective Factors Survey</li> <li>c. Triple P Client Satisfaction Questionnaire – Level 2</li> <li>d. Smart Start Lending Library Survey – Families</li> <li>e. Smart Start Outreach Measure</li> </ul>
Increase in positive parenting practices	<ul style="list-style-type: none"> <li>a. Adult Adolescent Parenting Inventory - 2 (AAPI)</li> <li>b. Healthy Families Parenting inventory (HFPI)</li> <li>c. Infant Crying Questionnaire/Questionnaire about Children’s Crying</li> <li>d. Kaleidoscope Play &amp; Learn Caregiver Feedback Form (<i>see note below</i>)</li> <li>e. Keys to Interactive Parenting Scales (KIPS)</li> <li>f. Level 2 Triple P Client Satisfaction Questionnaire</li> <li>g. Level 3 Triple P Parenting Experience Survey</li> <li>h. Level 4 Triple P Parenting Scale</li> <li>i. Life Skills Progression</li> <li>j. Nurturing Skills Competency Scale (2 &amp; 3)</li> <li>k. Parents’ Assessment of Protective Factors</li> <li>l. Parenting Stress Index 4th edition</li> <li>m. Parenting Practices Inventory (PPI)</li> <li>n. PICCOLO</li> <li>o. Protective Factors Survey</li> </ul> <p><i>Note: A subset of three questions from the Kaleidoscope assessment are requested for reporting purposes in fabrik. This subset of questions is aligned across three different Smart Start outcomes. To avoid duplicate entries, you will only be able to select the positive parenting practices outcome.</i></p>

<p>Increase in parent use of services (primarily for those programs where, overall, parents have a low usage of service when they start the activity)</p>	<ul style="list-style-type: none"> <li>a. Life Skills Progression: #10 Use of information, #11 Use of resources</li> <li>b. Parent use of services calculation</li> <li>c. Smart Start Outreach Measure</li> </ul>
<p>Increase in parent's social support</p>	<ul style="list-style-type: none"> <li>a. Life Skills Progression: #3 Friends/Peers</li> <li>b. Protective Factors Survey</li> </ul>
<p>Increase in frequency of parent and child shared reading*</p>	<ul style="list-style-type: none"> <li>a. Motherread/Fatheread Intake and Exit Surveys</li> <li>b. ROR Parent Survey (<i>required for ROR</i>)</li> <li>c. RAR Parent Survey (<i>required for RAR</i>)</li> <li>d. Smart Start DPIL Parent Survey (<i>required for DPIL</i>)</li> <li>e. Shared reading/daily reading calculation (<i>required for all others</i>)</li> </ul>
<p>Increase in the adult's use of recommended reading strategies*</p>	<ul style="list-style-type: none"> <li>a. Motherread/Fatheread Intake and Exit Surveys</li> <li>b. ROR Parent Survey (<i>required for ROR</i>)</li> <li>c. RAR Parent Survey (<i>required for RAR</i>)</li> <li>d. Reading strategies calculation (<i>required for all others</i>)</li> </ul>
<p>Increase in developmental screenings or assessments, referrals, and child use of services (e.g. early intervention services, having a medical or dental home, etc.)*</p>	<ul style="list-style-type: none"> <li>a. Child screenings, referrals, use of services calculation (<i>required for ABCD</i>)</li> <li>b. Life Skills Progression: #20 Child Well Care</li> </ul>
<p>Increase in children's practice of healthy behaviors (e.g. child's nutrition, child's oral health practices, amount of physical activity, etc.)</p>	<ul style="list-style-type: none"> <li>a. NAP SACC</li> <li>b. Go NAP SACC</li> <li>c. Color Me Healthy Teacher Eight-Week Follow-Up Evaluation</li> </ul>

<u>Child Development and Learning</u>	
More children on track for typical and/or enhanced development (including cognitive, language, physical, motor, and/or social /emotional development)	<ul style="list-style-type: none"> <li>a. Eyberg Child Behavior Inventory</li> <li>b. Brigance Inventory of Early Development III</li> <li>c. Ages &amp; Stages Questionnaire</li> <li>d. Ages &amp; Stages Social Emotional Questionnaire</li> <li>e. GOLD by Teaching Strategies</li> <li>f. DECA-C (The Devereux Early Childhood Assessment-Clinical Form)</li> <li>g. Child Behavior Checklist</li> </ul>
<u>Systems Level</u>	
Increased coordination of early childhood system	<ul style="list-style-type: none"> <li>a. Wilder Collaboration Factors Inventory</li> <li>b. Partnership Quotient Collaborative Leadership Assessment</li> </ul>
<u>Other</u>	
Other (please specify)	Partnerships will be asked to provide their measurement methods/tools

*\*These outcomes have a required measure. In some cases, the requirement may just pertain to a particular program or activity. Partnerships should be sure to select these required measures in Fabrik.*

*\*\*Partnerships using WAGE\$ can find these data in the reports from CCSA.*