Capital Quality Rating Calculation Webinar

Birth-to-Five Facilities with Only One Year of Valid Observation Data
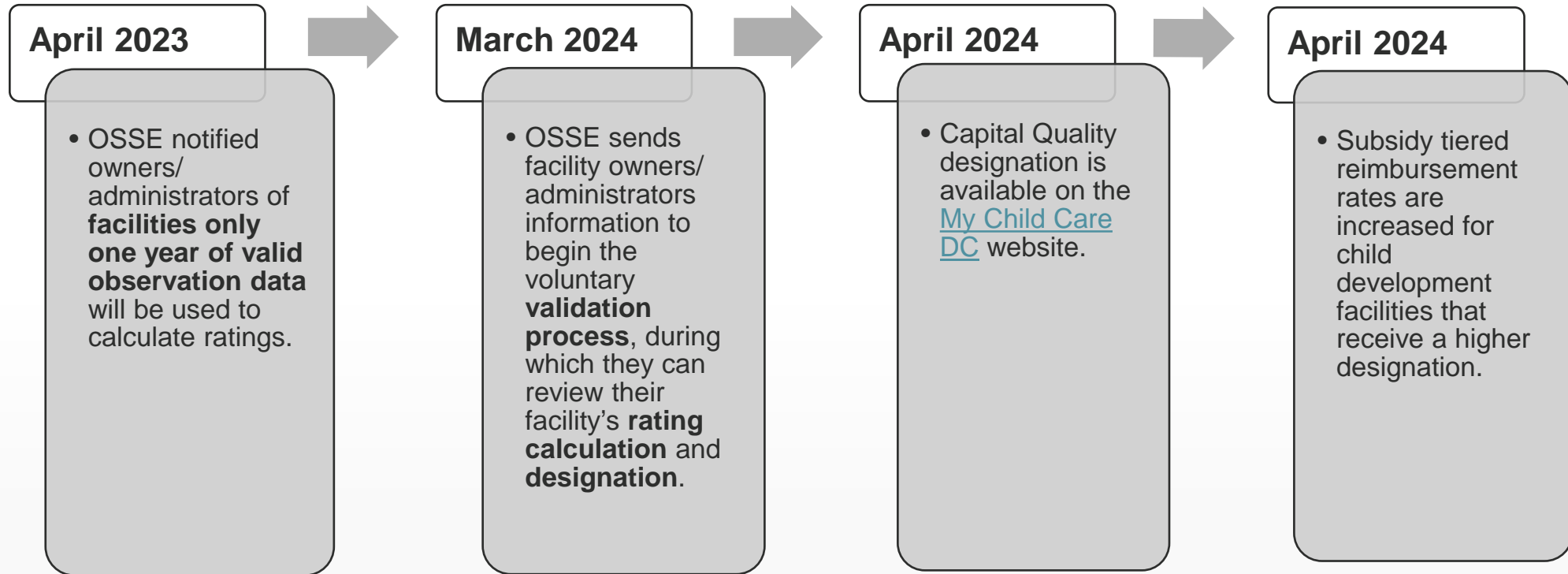
March 2024

Agenda

- Timeline for 2024 Capital Quality Rating and Designation Process

- Capital Quality Rating and Designation Overview

- Policies for All Facilities with 2023 One Year of Valid Observation Data (Including Preliminary)

- Capital Quality Rating Calculation Using One Year of Valid Observation Data

- Next Steps

Timeline for 2024 Capital Quality Rating and Designation Process

Timeline for 2023 Capital Quality Rating and Designation Process

April 2023

- OSSE notified owners/ administrators of **facilities only one year of valid observation data** will be used to calculate ratings.

March 2024

- OSSE sends facility owners/ administrators information to begin the voluntary **validation process**, during which they can review their facility's **rating calculation** and **designation**.

April 2024

- Capital Quality designation is available on the My Child Care DC website.

April 2024

- Subsidy tiered reimbursement rates are increased for child development facilities that receive a higher designation.

Capital Quality Rating and Designation Overview

Capital Quality Rating and Designation Definitions

Framework
- The Capital Quality category based on the type of setting (home or center) and the age groups of children served (birth to 5). The framework is then used in combination with the metric and informs the way in which the rating is calculated to determine a Capital Quality designation.

Metric
- Instruments or indicators used to assess performance in each area defined, commonly known as measures.

Floor
- The minimum value for which any points are earned (for all metrics), indicating the minimum level of performance acceptable for a facility to receive points in the Capital Quality rating system.

Target
- The value at which the maximum points for a metric are earned, indicating the desired level of performance in achieving the stated outcome in the Capital Quality rating system.
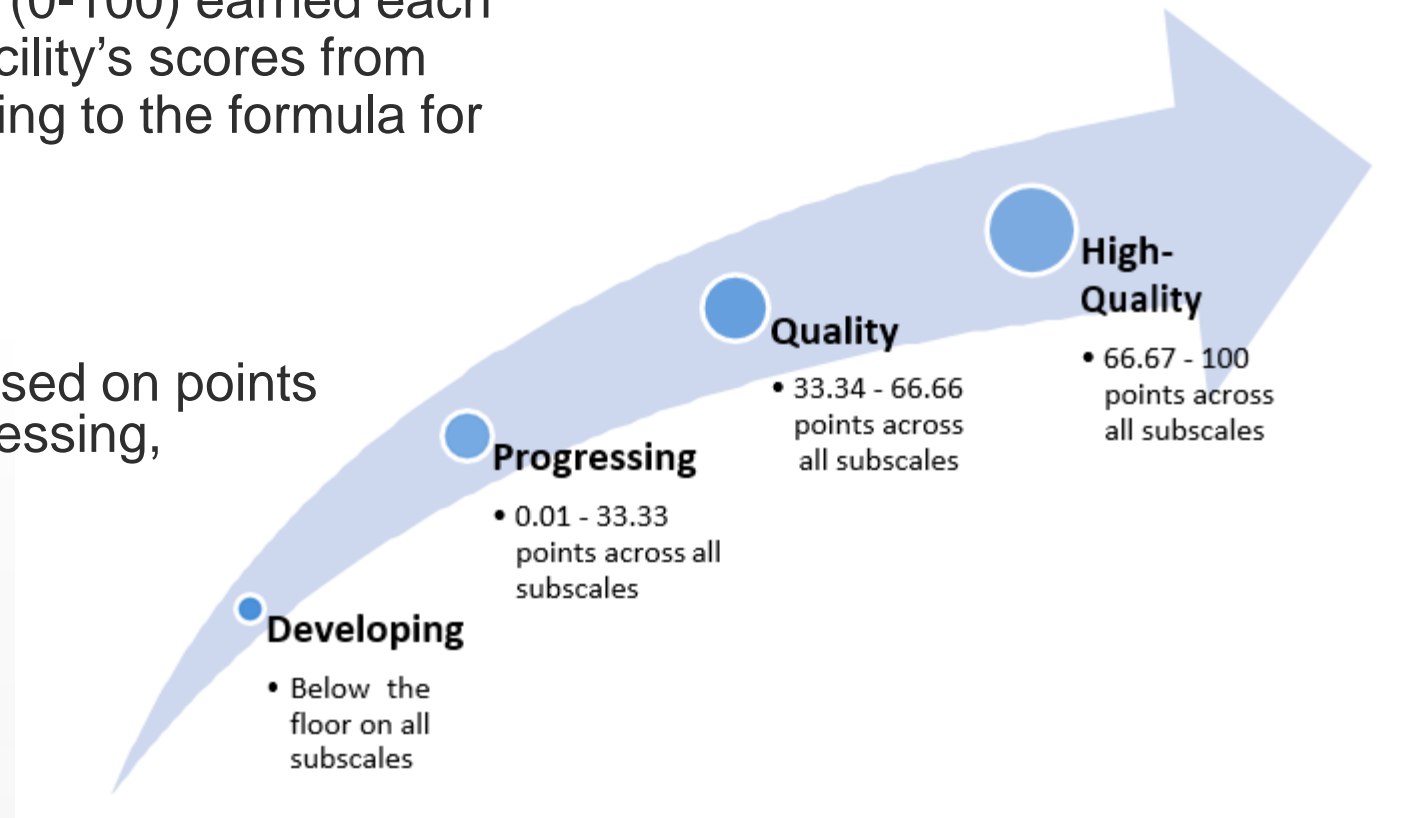
Capital Quality Rating and Designation Definitions

Rating

- Refers to the numeric score (0-100) earned each year upon calculating the facility's scores from each of their metrics according to the formula for their framework.
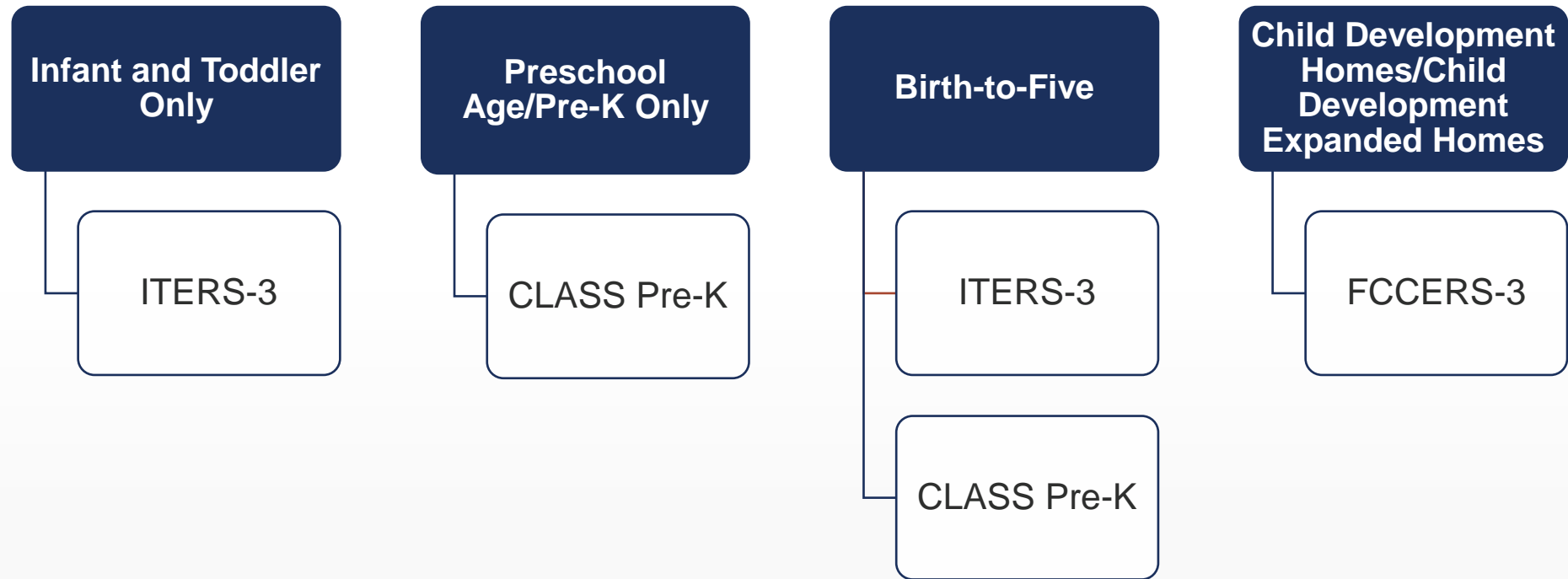
Designation

- A facility's level of quality based on points earned – Developing, Progressing, Quality or High-Quality.

High-Quality
- 66.67 - 100 points across all subscales

Quality
- 33.34 - 66.66 points across all subscales

Progressing
- 0.01 - 33.33 points across all subscales

Developing
- Below the floor on all subscales

Capital Quality Metrics

- **Environment Rating Scales (ERS)**
  - ▪ Infant/Toddler Environment Rating Scale, Third Edition (ITERS-3)
  - ▪ Family Child Care Environment Rating Scale, Third Edition (FCCERS-3)
- **Classroom Assessment Scoring System Pre-K (CLASS Pre-K)**
- **Floors and targets for each metric are research-based**

Capital Quality Frameworks and Metrics

Infant and Toddler Only

ITERS-3

Preschool Age/Pre-K Only

CLASS Pre-K

Birth-to-Five

ITERS-3

CLASS Pre-K

Child Development Homes/Child Development Expanded Homes

FCCERS-3

ERS Overview

- ITERS-3 and FCCERS-3 items measure the extent to which early care and education environments promote children's health and safety and stimulate children through language, activities and warm, supportive interactions with adults. These items are organized into six subscales:
  - Space and Furnishings;
  - Personal Care Routines;
  - Language and Books;
  - Activities;
  - Interaction; and
  - Program Structure.

- Each item is scored on a scale of 1 to 7 with higher scores indicating higher quality.

What do the ERS floors and targets represent?

Metric	How do they differ?	What does the floor score represent?	What does the target score represent?
ITERS-3	Designed for use in infant and toddler classrooms	Score: 3 Indicated *minimal* quality • Books are in good repair • Occasional smiling, talking, affection with children • Schedule meets the needs of most of the children • Attention is on caregiving • Moderate amount of talking	Score: 6 Indicated **good to excellent quality** • Books are set-up for independent and shared use • Frequent interaction that is responsive to child's mood and needs • Schedule is modified to meet children's needs • Supervision is individualized • Wide range of vocabulary used/verbal play with children
FCCERS-3	Designed for use in family child care settings		

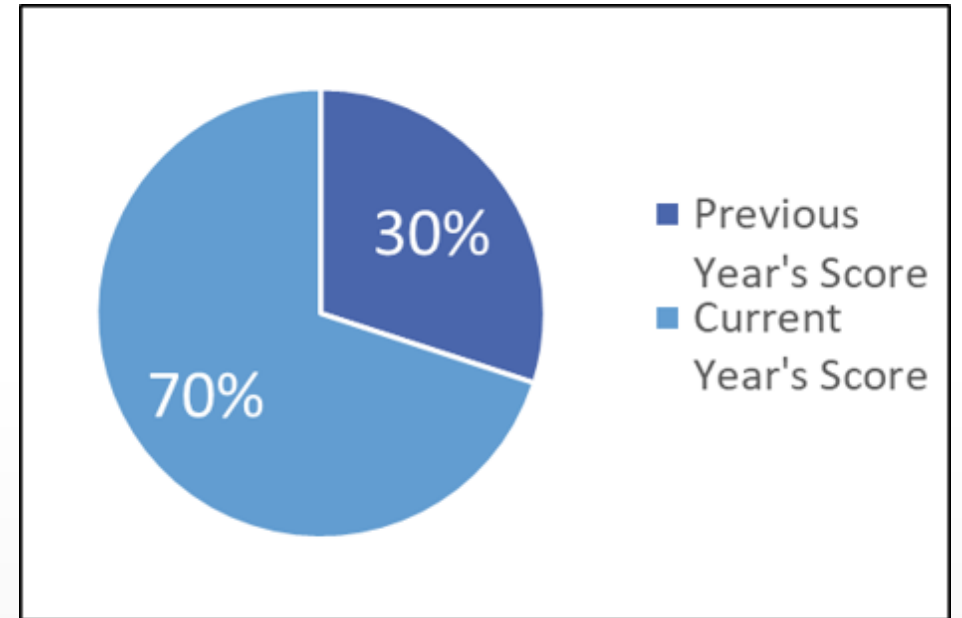# CLASS Pre-K Overview

- The metric is comprised of three domains:

  - Emotional Support;

  - Classroom Organization; and

  - Instructional Support.

- Each domain has multiple dimensions that are scored on a scale of 1 to 7 with higher scores indicating higher quality.

- OSSE defines evidence-based floors and targets for each domain that are used to calculate Capital Quality designations.

What do the CLASS Pre-K floors and targets represent?

CLASS Pre-K Domain	What does it measure?	What does the Floor Score represent?	What does the Target Score represent?
Emotional Support	Measures teachers' efforts to support children's social and emotional functioning (e.g., teacher sensitivity, emotional connection)	Score: 4.5 Some evidence that the teachers and children share warm, supportive relationships, yet teachers are only sometimes aware of children who need support or attention	Score: 6.0 Evidence of frequent positive communication between teachers and children; teacher consistently are flexible, go along with child's ideas and organize instruction round child interests
Classroom Organization	Measures classroom-level organization (e.g., behavior management, routines)	Score: 4.5 Some evidence that rules/expectations may be stated clearly, but are inconsistently enforced by the teachers	Score: 6.0 Consistent evidence that teachers are proactive, monitor the classroom effectively to prevent problems from developing; they focus on positives and making use of subtle cues
Instructional Support	Measure the ways in which teacher effectively support cognitive and language development in their classrooms (e.g., language modeling, asking open-ended questions)	Score: 2.0 Evidence that teachers rarely provide scaffolding and ignore problems in understanding; feedback to children is often perfunctory (e.g., yes/no, that's right/wrong)	Score: 4.0 Evidence of occasional use of discussions that promote analysis and reasoning; sometimes feedback loops promote exchanges, other times not

Capital Quality Rating

- In general, when calculating a Capital Quality rating, 70 percent of the score is based on each metric from the current year and 30 percent of the score is based on each metric from the previous year.

- In some cases, the current year's scores and the previous year's scores will not be the two most recent calendar years for which OSSE has valid observation data. This means the previous year's score and the current year's score used in the rating calculation may not be consecutive calendar years (e.g., calendar year 2023 score used for previous year's score and calendar year 2025 score used for current year's score in rating calculation).

30%

70%

- Previous Year's Score
- Current Year's Score

Policies for Facilities with Only One Year of Valid Observation Data and Policies for 2024 Using One Year of Valid Observation Data

Facilities with Only One Year of Valid Observation Data and All Participating Facilities in 2024

- OSSE will calculate the Capital Quality rating and designation using **one year of valid observation data from the 2023 calendar year** in which valid observation data were collected, including Preliminary facilities.

- For all facilities with one year of valid observation data, this one year of valid observation data will be **"weighted" 100 percent** in the rating calculation.

- This rating will result in a change in a facility's designation (to Developing, Progressing, Quality or High-Quality) based on one year of data.

- **The rating and designation using one year of valid observation data for all facilities will be in effect until facilities have two years of valid observation data**, at which point OSSE will calculate the rating and designation using the two most recent years of valid observation data.

Capital Quality Rating Calculation Using One Year of Valid Observation Data

Rating Calculation

- The Capital Quality rating for birth-to-five facilities with only one year of valid observation data is calculated using the ITERS-3 and CLASS Pre-K metric scores relative to the targets and floors.

    - If a facility has more infant/toddler classrooms than preschool age/pre-K classrooms, then its Capital Quality rating will be weighted more heavily by ITERS-3.

    - If a facility has more preschool age/pre-K classrooms than infant/toddler classrooms, then its Capital Quality rating will be weighted more heavily by CLASS Pre-K.

- Using an example facility, the following slides demonstrate how the ITERS-3 and CLASS Pre-K metric scores are used to calculate a Capital Quality **rating** which translates into a Capital Quality **designation**.

Rating Calculation

In this example, this Birth-to-Five facility has **two** infant/toddler classrooms observed with ITERS-3 and **four** preschool age/pre-K classrooms observed with CLASS Pre-K. This Birth-to-Five facility's scores are presented below.

To calculate the Capital Quality rating, start by calculating the ITERS-3 portion of the rating. In this example, the facility earned the following score:

<div align="center">

ITERS-3

Score: 5.5

Target: 6
Floor: 3

</div>

The following formula is used to calculate the points earned for Infant/Toddler Classrooms using one year of valid observation data.

<div align="center">

Points Earned for Infant/Toddler Classrooms

$$= 100 \times \left(\frac{\text{Score} - \text{Floor}}{\text{Target} - \text{Floor}} \right)$$

</div>

Rating Calculation

Insert the ITERS-3 score (5.5), floor (3) and target (6) into the equation. Then, calculate.

$$100 \times \left(\frac{5.5 - 3}{6 - 3} \right)$$

$$100 \times \left(\frac{2.5}{3} \right) = \mathbf{83.33}$$

ITERS-3 Points Earned: 83.33

Rating Calculation

Next, the CLASS Pre-K portion of the rating is calculated for each domain. The possible points are calculated using scores from the three CLASS Pre-K domains: Emotional Support (ES), Classroom Organization (CO) and Instructional Support (IS). The maximum possible points that can be earned for each CLASS Pre-K domain is 33.33 points.

Therefore, each birth-to-five facility could earn a total of 100 possible points for CLASS Pre-K across all three domains.

Each domain of CLASS Pre-K has a different floor and target, which is presented in the tables below. In this example, the facility earned the following scores:

Emotional Support	Classroom Organization	Instructional Support
Score: 5.0	Score: 4.4	Score: 2.56
Target: 6	Target: 6	Target: 4
Floor: 4.5	Floor: 4.5	Floor: 2

The following formula is used to calculate the points earned in each domain of CLASS Pre-K:

Points Earned for Preschool Age/Pre-K Classrooms

$$= 33.33 \times \left(\frac{\text{Score} - \text{Floor}}{\text{Target} - \text{Floor}} \right)$$

Rating Calculation

To calculate the framework points earned for CLASS Pre-K, the points are calculated separately for each domain as illustrated below:

Emotional Support

Insert the Emotional Support score (5.0), floor (4.5) and target (6) into the equation. Then, calculate.

$$33.33 \times \left(\frac{\text{Score} - \text{Floor}}{\text{Target} - \text{Floor}} \right)$$

$$33.33 \times \left(\frac{5.0 - 4.5}{6 - 4.5} \right)$$

$$33.33 \times \left(\frac{0.5}{1.5} \right) = \mathbf{11.11}$$

CLASS Pre-K Emotional Support Points Earned: 11.11

Rating Calculation

Classroom Organization

Insert the Classroom Organization score (4.4), floor (4.5) and target (6) into the equation. Then, calculate.

$$33.33 \times \left(\frac{\text{Score} - \text{Floor}}{\text{Target} - \text{Floor}} \right)$$

$$33.33 \times \left(\frac{4.4 - 4.5}{6 - 4.5} \right)$$

$$33.33 \times \left(\frac{-0.1}{1.5} \right) = -2.22$$

$$-2.22 \rightarrow \textbf{0 points}$$

A facility cannot earn points when they score below the floor, so this facility earns 0 points for Classroom Organization.

CLASS Pre-K Classroom Organization Points Earned: 0

Rating Calculation

Instructional Support

Insert the Instructional Support score (2.56), floor (2) and target (4) into the equation. Then, calculate.

$$33.33 \times \left(\frac{\text{Score} - \text{Floor}}{\text{Target} - \text{Floor}}\right)$$

$$33.33 \times \left(\frac{2.56 - 2}{4 - 2}\right)$$

$$33.33 \times \left(\frac{0.56}{2}\right) = 9.33$$

CLASS Pre-K Instructional Support Points Earned: 9.33

Rating Calculation

In the last step, the points earned from each CLASS Pre-K domain are combined and the Capital Quality rating is calculated as follows:

Emotional Support	Classroom Organization	Instructional Support
11.11 points +	0 points +	9.3. points

= 20.44 points

CLASS Pre-K Points Earned: 20.44

Rating Calculation

Weighting Points Earned Based on Classroom Composition in the Birth-to-Five Facility

The final step in calculating this Birth-to-Five facility's rating is to combine the facility's points earned from the ITERS-3 score and the points earned from the CLASS Pre-K scores and "weight" them by the proportion of infant/toddler and preschool age/pre-K classrooms served in the facility.

In this example, the classroom composition at this facility includes two infant/toddler classrooms that were observed by ITERS-3 and four preschool age/pre-K classrooms that were observed by CLASS Pre-K; there is a total of six classrooms that have observations.

	Infant/Toddler Classrooms	Preschool Age/Pre-K Classrooms
Number of Classrooms of this Type	2	4
Total Number of Classrooms in the Facility	6	6
Proportion of Classrooms of this Type	$\dfrac{2}{6}$	$\dfrac{4}{6}$

Rating Calculation

In this example, two of the six classrooms in the facility are infant/toddler classrooms that were observed by ITERS-3, so the ITERS-3 total points earned (83.33) are multiplied by the proportion $\left(\frac{2}{6}\right)$ of infant/toddler classrooms that have ITERS-3 observations. This results in 27.78 ITERS-3 points.

$$(\text{Points}) \times (\text{Classroom Proportion})$$

$$83.33 \times \left(\frac{2}{6}\right) = 27.78$$
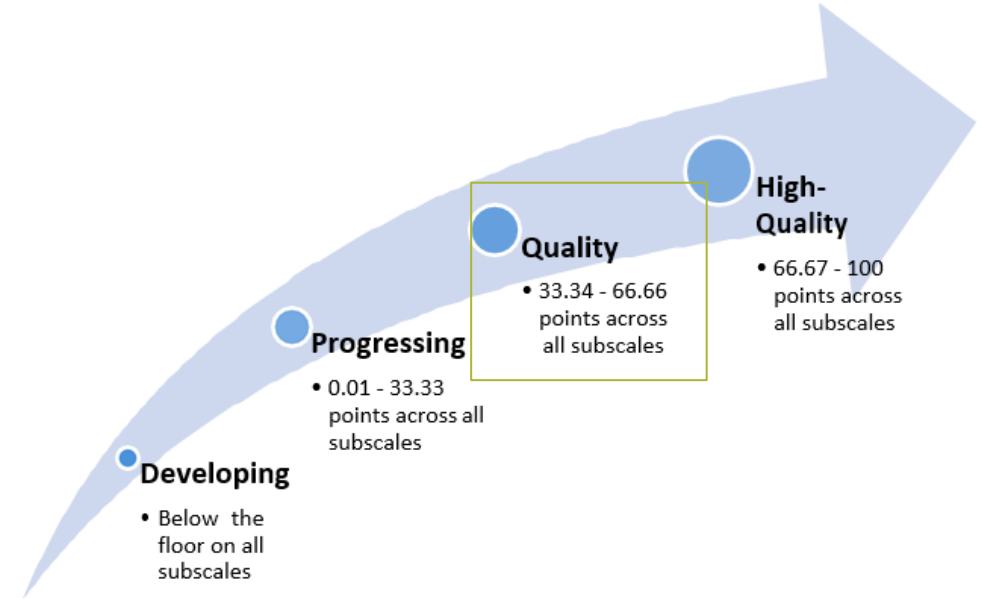
Weighted ITERS-3 Points Earned: 27.78

In this example, four of the six classrooms in the facility are preschool age/pre-K classrooms that were observed by CLASS Pre-K, so the CLASS Pre-K total points earned (20.44) are multiplied by the proportion $\left(\frac{4}{6}\right)$ of preschool age/pre-K classrooms that have CLASS Pre-K observations. This results in 13.63 CLASS Pre-K points.

$$(\text{Points}) \times (\text{Classroom Proportion})$$

$$20.44 \times \left(\frac{4}{6}\right) = 13.63$$

Weighted CLASS Pre-K Points Earned: 13.63

Rating Calculation

- **High-Quality**
  - 66.67 - 100 points across all subscales
- **Quality**
  - 33.34 - 66.66 points across all subscales
- **Progressing**
  - 0.01 - 33.33 points across all subscales
- **Developing**
  - Below the floor on all subscales

Finally, the weighted points earned from ITERS-3 (27.78 points) and the weighted points earned from CLASS Pre-K (13.63 points) are added together for a total of 41.41 points.

$$\begin{pmatrix} \text{Weighted ITERS-3} \\ \text{Points Earned} \end{pmatrix} + \begin{pmatrix} \text{Weighted CLASS Pre} - \text{K} \\ \text{Points Earned} \end{pmatrix}$$

$$27.78 + 13.63 = 41.41$$

Capital Quality Rating: 41.41

This rating of 41.41 points translates to a Quality designation, meaning this facility would earn a Capital Quality designation of Quality.

Capital Quality Designation: Quality

Next Steps

Next Steps

- A recording of this webinar will be posted on the OSSE website at osse.dc.gov/page/capital-quality-qris.

- Expect email communication for the year 2024 validation process.

- Email CapitalQuality@dc.gov with any questions.

Thank you!

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