

Coaching session 1: Development of recruitment and sampling plan

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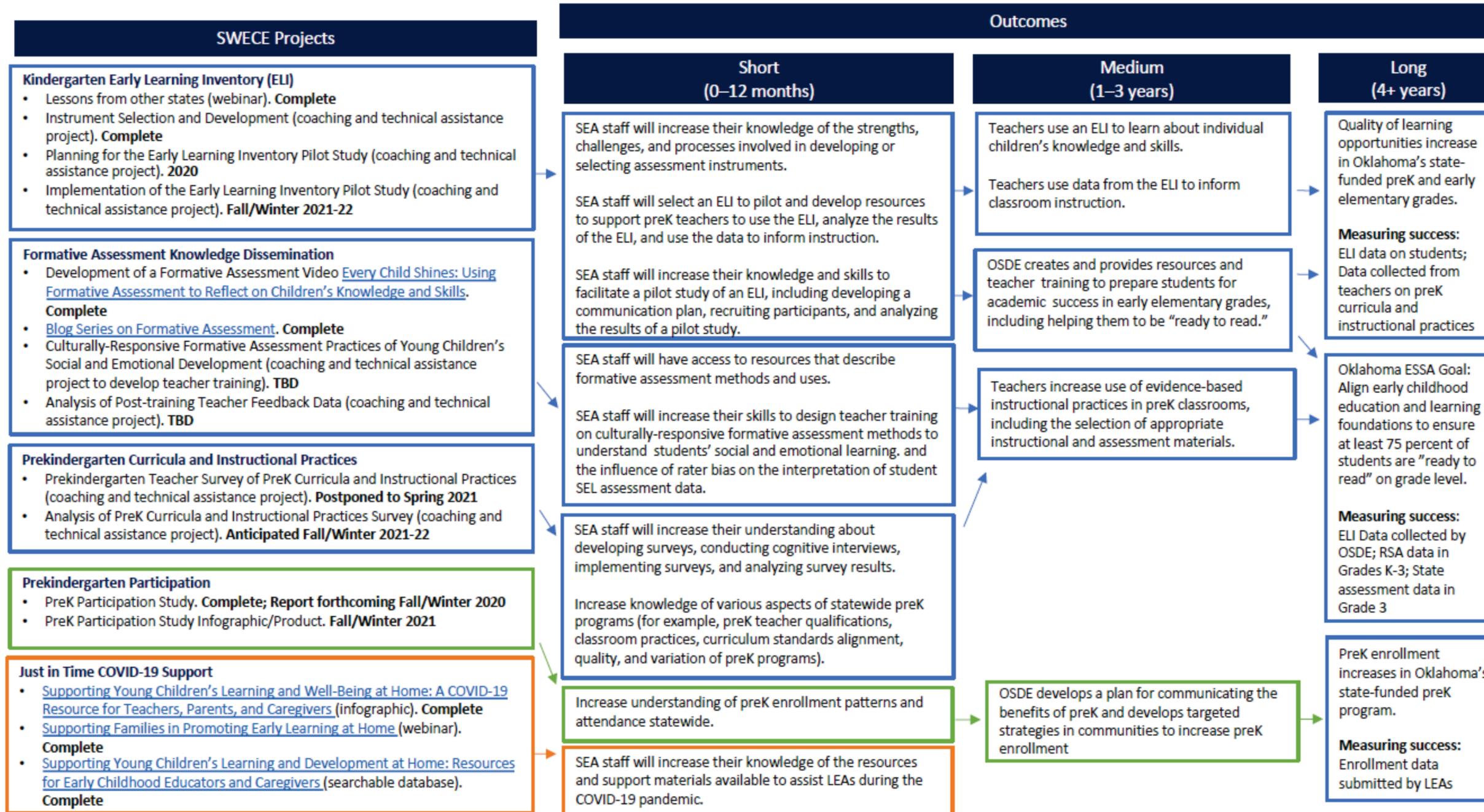
Session objectives

1. Build knowledge of sampling methods.
2. Update recruitment and sampling decisions.
3. Create a sampling and recruitment plan.
4. Develop management plan for sampling and recruitment.

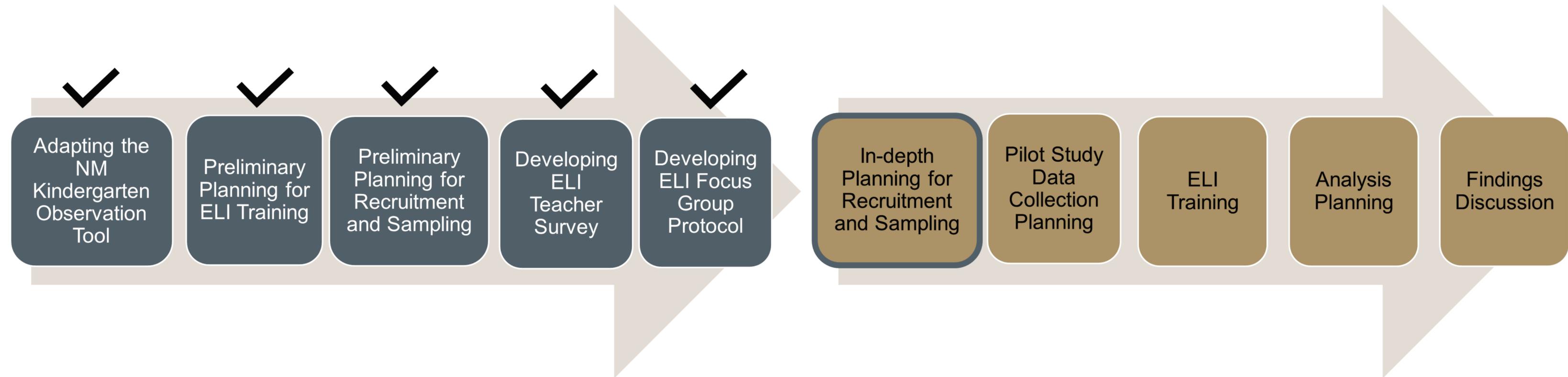


SWECE Research Partnership Logic Model

Southwest Early Childhood Education (SWECE) Research Partnership Goals: REL Southwest is working with the Oklahoma State Department of Education (OSDE) and other partners to improve student learning in preK programs across the state by targeting participation, using an ELI to assess students' knowledge and skills in order to provide appropriate interventions, and strengthening instructional practices and curricula materials used in preK classrooms.



Overview of ELI Project



Sampling Methods

Non-probability Base
Sampling

Probability Based
Sampling

Purposive

Convenience

Random

Stratified

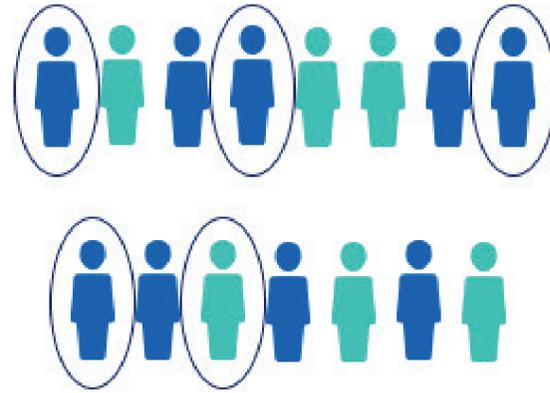
Non-Probability Sampling

Technique	Definition	Pros	Cons
Purposive	An effort to select a “typical” sample that is representative of the target population to the best of the research team’s knowledge.	<ul style="list-style-type: none">• Time and cost effective.	The quality of the sample depends on the research team’s ability to select a sample that is typical of the population.
Convenience	Sample is selected from the population based on their accessibility to the research team.	<ul style="list-style-type: none">• Time and cost effective.• Can result in increased response rates.	Sampling bias can be introduced since accessible samples are likely to differ from less accessible samples in important ways

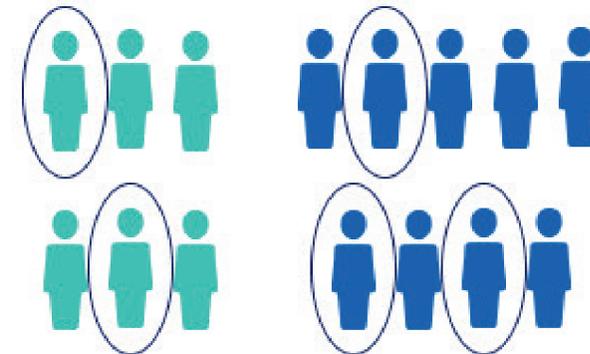
Probability Sampling

Technique	Definition	Pros	Cons
Random	Randomly selected units from the population.	Results obtained from a random sample of sufficient size will generalize to the larger population.	Very small sample sizes introduce error.
Stratified	Specific subgroups or strata are selected, and units are randomly selected from each subgroup.	<ul style="list-style-type: none">• Provides increased accuracy of estimates that can be generalized to the population.• Cost effective.	Proper understanding of subgroups is needed to avoid misrepresentation of the sample.

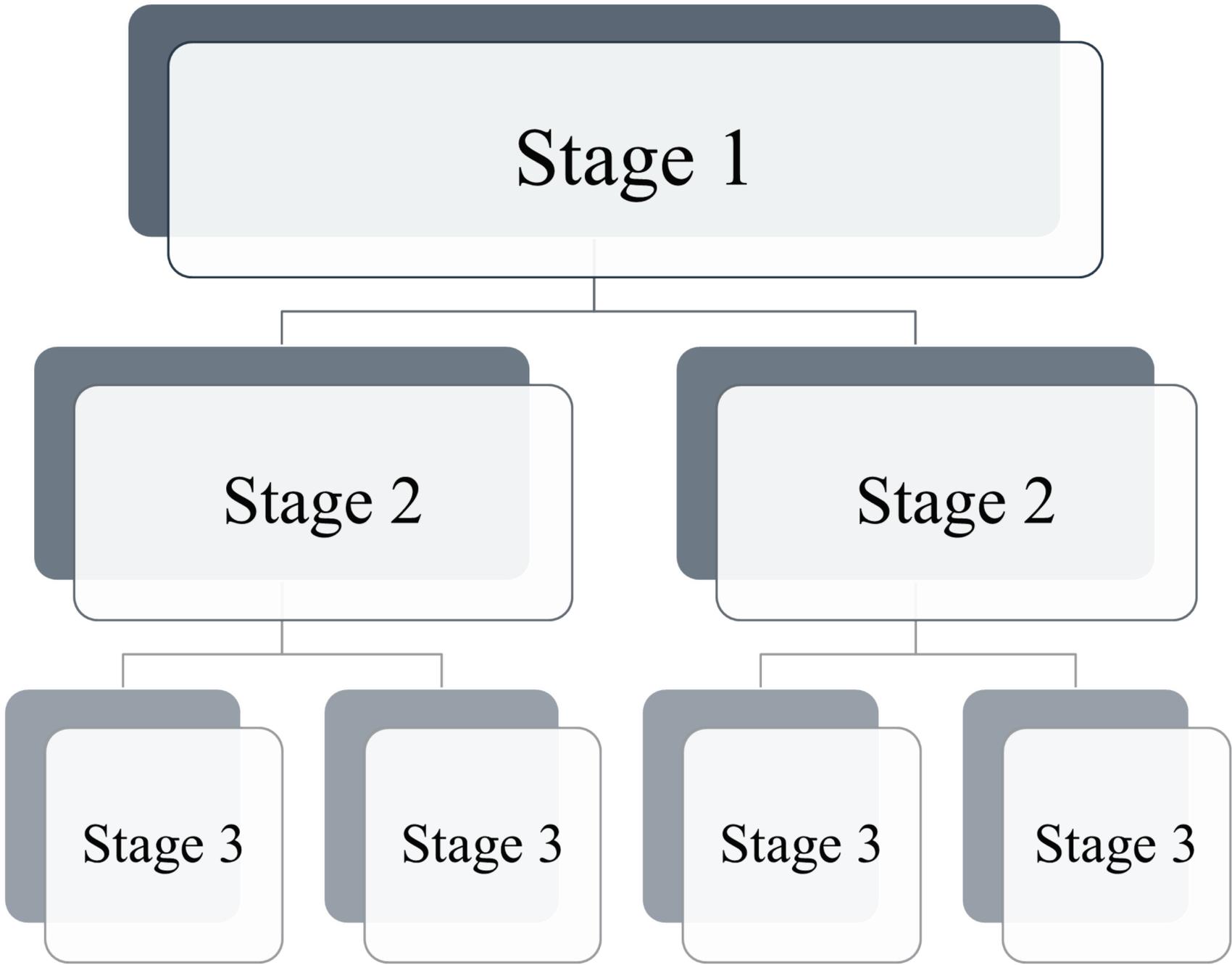
Simple random sample



Stratified sample



Multi-stage sampling



Handout 4: Review draft sampling and recruitment plan



◀ **Recruitment and Sampling Plan Notes for Early Learning Inventory Pilot Study**

The Oklahoma State Department of Education (OSDE) has determined that it would like to implement a multistage sampling process in order to obtain a distribution of districts, schools, and teachers that best represents different populations in the state.

Target Sample Size: 60 public school kindergarten teachers across 15 districts (approximately 20-30 schools)

Stage 1. District-level recruitment/sampling steps in this process will include:

1. **Recruitment:** OSDE will invite all districts to express interest in participating in the ELI pilot. Sampling will occur among those districts who respond to this invitation.

Stage 1 – District-level

Recruitment

- Invitation to all districts

Sampling

- OSDE randomly selects a stratified sample of 16 districts balanced across:
 - Geographic local (rural/nonrural)
 - Percentage of students eligible for free or reduced-price lunch



Stage 2 – School-level

Sampling

- OSDE will meet with selected district's point of contact to discuss:
 - Number of K classrooms across schools
 - Which schools to invite to get variation in teacher experience
- OSDE purposively selects 2-3 schools per district

Recruitment

- OSDE contacts principals of selected schools
- Principal signs MOU



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Stage 3 – Teacher-level

Recruitment

- OSDE will meet with selected schools' principals to discuss the study
- Principal will distribute flyer & electronic consent to all kindergarten teachers

Sampling

- If oversubscription, OSDE will randomly select teachers within the teacher-level strata of experienced teachers and new teachers



Handout 5: Review of recruitment materials developed

- Recruitment flyers
 - District
 - School
 - Teacher
- Teacher consent form & Pre-training survey

Develop management plan for sampling and recruitment

Thank You!

 <https://ies.ed.gov/ncee/edlabs/regions/southwest/index.asp>

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