

EdData II Education Data for Decision Making

Administering EGRA and EGMA

Rules and tips for ensuring quality administration and results

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About the presentation

- This presentation was prepared for use in a one-day workshop titled "Understanding the Early Grade Reading and Math Assessments: From Development to Data Analysis," led by RTI International at the annual conference of the Comparative and International Education Society (CIES) in San Juan, Puerto Rico, April 22, 2012.
- The USAID EdData II project (Task 1, EHC-E-01-04-00004-00) sponsored the costs of workshop development and implementation. EdData II is led by RTI International.

General administration principles

- Verbal consent of students and teachers to participate in the study must be obtained.
- Participants' rights to the anonymity of their results must be protected.
- All participants in research, including children, are to be treated with respect and dignity.
- Before beginning the test, assessors should build rapport and make the child feel comfortable. We want them to be relaxed during the test so that they can do their best.

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Assess - Do not teach!



Administration principles

- Consistency in administration is key, to offer every child the same opportunity to perform
- · Stick to the script and administration rules!
- · Make sure to retain complete records
- · Missing data can mean wasted effort

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Administrator materials

- Scoring sheet (to be marked by assessor)
- Student "stimuli sheet" (with items to be read)
- Stopwatch
- Clipboard
- Pencil
- Eraser

Consent

Verbal Consent

- Let me tell you why I am here today. I work with the Ministry of Education and we are trying to understand how children learn to read. You were picked by chance, like in a raffle or lottery.
- We would like your help in this. But you do not have to take part if you do not want to.
- We are going to play a reading game. I am going to ask you to read letters, words and a short story out loud.
- . Using this stopwatch, I will see how long it takes you to read.
- . This is NOT a test and it will not affect your grade at school.
- I will also ask you other questions about your family, like what language your family uses at home and some of the things your family has.
- I will NOT write down your name so no one will know these are your answers.
- Once again, you do not have to participate if you do not wish to. Once we begin, if you would rather not answer a question, that's all right.
- . Do you have any questions? Are you ready to get started?

Check box if verbal consent is obtained:

l YES

(If verbal consent is not obtained, thank the child and move on to the next child, using this same form)

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Getting to know EGRA and EGMA

- · Before you start:
 - Fill in demographic information
 - Introduce yourself and establish rapport
 - Obtain verbal consent
- · For each subtask:
 - Read directions to child verbatim
 - Provide examples
 - Make sure you know if it's a timed or untimed test
 - Score test according to rules

Demographic information

A. Date of Assessment:	Day: Month:
B. Enumerator's Name :	
C. School Name :	
D. District:	
E. Zone:	
F. <u>School</u> Shift:	1 = Full day 2 = Morning only 3 = Afternoon only
G. Multigrade Class ?	0 = No 1 = Yes
H. Order of Assessment	1= First 2= Second 3= Third

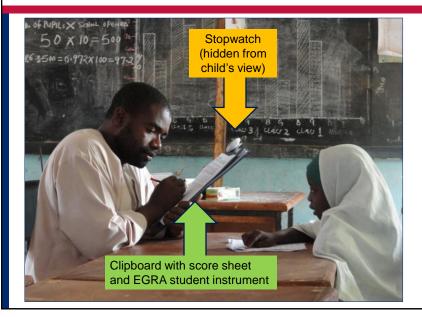
I. Class:	1 = Class One 2 = Class two
K. Pupil Unique Code:	
L. Student's Age :	
M. Student's Gender	1 = boy 2 = girl
N. Time Started:	: AM / PM

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Holding your clipboard and stopwatch

- 1. Hold your clipboard, along with your stopwatch, in your non-dominant hand.
- 2. Place your pen or pencil in your dominant hand.
- 3. Slant your clipboard so it points toward the student's forehead.
- 4. Practice turning your stopwatch on and off while holding the clipboard, stopwatch, and pencil.

Holding your clipboard and stopwatch

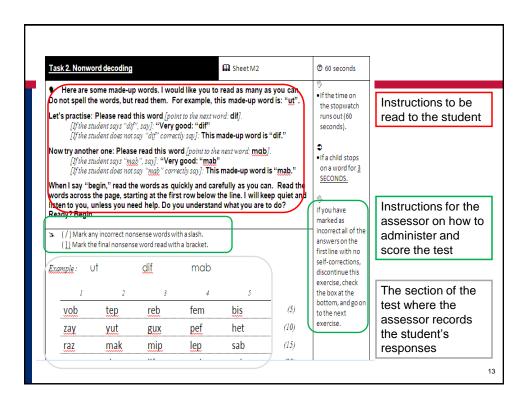


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Holding your clipboard and stopwatch

Handling these materials in this way is not as easy as it looks.

It takes some time and practice for assessors to become comfortable so that the materials do not distract them from the test administration.



Timed vs. untimed EGRA subtasks

• Timed subtasks:
Several of the EGRA
subtasks have a
ONE-MINUTE limit, in
order to measure the
child's FLUENCY. These
instruments require the
use of a stopwatch
(examples: letter
identification, word
reading, oral reading
fluency)

Untimed subtasks:

Child is not timed, so a stopwatch is not required (examples: phonemic awareness, listening and reading comprehension)

EGRA - Administering a timed subtask

Exa	nple :	A v	L								
+	1	2	3	4	5	6	7	8	9	10	
	е	f	d	R	m	i	W	r	i	Н	(10)
	0	n	F	a	е	Α	t	Т	е	y	(20)
	n	G	W	0	С	t	i	Н	е	0	(30)
	r	Е	s	Υ	n	U	S	t	s	е	(40)
	D	t	I	0	t	р	I	i	s	g	(50)
	L	N	I	E	I	X	k	r	Z	А	(60)
	n	w	а	0	Н	е	Р	d	t	s	(70)
	s	0	Е	h	е	m	a	М	b	E	(80)
	J	r	С	s	V	h	R	u	В	а	(90)
	u	E	Q	N	а	Т	I	h	Α	0	(100

EGRA – Administering an untimed subtask

Section 2. Initial Sound Identification

This is NOT a timed exercise and **THERE IS NO STUDENT SHEET**. Read aloud each word twice, and have the student say the initial sound. Remember to model the "pure" sounds: /p/, not "puh" or "pay." Say:

This is a listening exercise. I want you to tell me the beginning sound of each word. For example, in the word "pot", the first sound is "/p/". In this exercise, I would like you to tell me the first sound you hear in each word. I will say each word two times. Listen to the word, then tell me the very first sound in that word.

Let's practice. What is the first sound in "mouse"? "Mouse."

[If the child responds correctly, say]: Very good, the first sound in "mouse" is /mmmmm/. [If the child does not respond correctly, say]: Listen again: "mmmouse". The first sound in "mouse" is /mmmmm/."

Now let's try another one: What is the first sound in "day"? "Day".

[If the child responds correctly, say]: Very good, the first sound in "day" is / d / ".
[If the child does not respond correctly, say]: Listen again: "day". The first sound in "day" is / d / ".

Do you understand what you are to do?

[If the child says no, say]: Just try your best.

Vhat is the first	t sound in "	"? "	" ? [Repeat t	the word twice]	
Мар	/ <u>mmmm</u> /	o Correct	o Incorrect	o Don't know	o No Response
Say	/ <u>ssssss</u> /	o Correct	o Incorrect	o Don't know	o No Response
Up	/uh/	o Correct	o Incorrect	o Don't know	o No Response
Go	/g [,] /	o Correct	o Incorrect	o Don't know	o No Response
Now	/nnnn/	o Correct	o Incorrect	o Don't know	o No Response
Can	/k'/	o Correct	o Incorrect	o Don't know	o No Response
Fish	/ ffffff /	o Correct	o Incorrect	o Don't know	o No Response
Pig	/p ', /	o Correct	o Incorrect	o Don't know	o No Response
Run	/ rrrrrr /	o Correct	o Incorrect	o Don't know	o No Response
Look	/111111/	o Correct	o Incorrect	o Don't know	o No Response

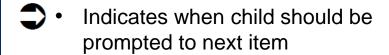
Check this box if the exercise was discontinued because the child had no correct answers in the first five words:

Administration icons









Indicates to read directions verbatim

Administration icons



- Indicates how to record student responses
 - (/) Incorrect or no response
 - (]) After the last number read
 - (\checkmark) 1 = Correct.
 - (x) 0 = Incorrect or no response.



Indicates special materials needed

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Basic EGRA administration rules

- 3-second rule: If a child hesitates to answer for more than three seconds on a given EGRA item, mark the item incorrect and ask the child to go on.
- Early stop rule: If a child is unable to provide a correct answer on any item in the first row or section of a subtask, thank the child, mark the box at the bottom of the scoring page, discontinue the subtask and move on to the next subtask.

Basic EGRA scoring rules

<u>Incorrect answers and omissions</u>: Put a slash through incorrect answers and non-responses (/)

<u>Skipped letters, words or lines</u>: Draw a line through any row of words or letters skipped



Self corrections: If student self-corrects within 3 seconds, circle the item already slashed through and score as correct *(time is used)*



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Basic EGRA scoring rules

<u>Dialectical differences</u> – score as correct

<u>Articulation differences</u> – score as correct

<u>Bracketing:</u> When the child stops reading (or you tell him/her to stop because 60 seconds is up), write a bracket behind the last word read.

Basic EGRA scoring rules

<u>Repeating questions:</u> If a child asks you to repeat a question or does not understand, you can repeat it only <u>ONCE</u>.

<u>Comprehension questions:</u> Only ask questions that pertain to the lines of text that the student has read. Do NOT ask questions for text that the student has not read.

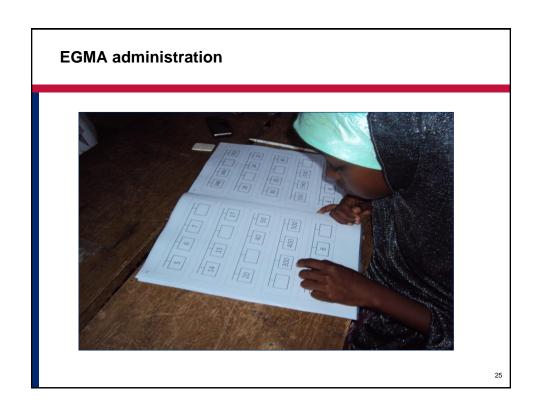
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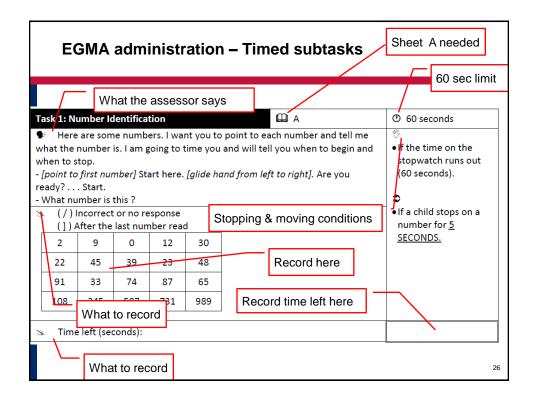
Example of scoring for familiar word reading

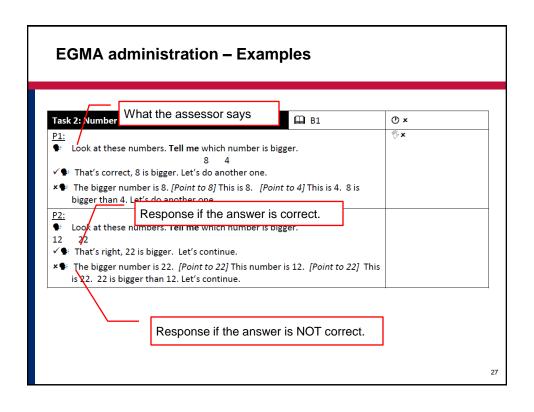
go sad up find come help ty/o run see down red and pl/y at you chair man when now under please soon like they good thank going are know him jump once ask fly want must green sing those always many which upon sit clean stop big me house girl	Exa	ample: cat	sick	made		
help ty/o run see down red and play at you chair man when now under please soon like they good thank going are know him jump on/ce ask fly want must green sing those always many which upon sit clean		1	2	3	4	5
red and play at you chair man when now under please soon like they good thank going are know him jump once ask fly want must green sing those always many which upon sit clean		go	sad	up	find	come
chair man when now under please soon like they good thank going are know him jump once ask fly want must green sing those always many which upon sit clean		help	t y/ o	run	see	down
please soon like they good thank going are know him jump once ask fly want must green sing those always many which upon sit clean		red	and	play	at	you
thank going are know him jump once ask fly want must green sing those always many which upon sit clean		ch ⁄ air	man	when	now	under
jump once ask fly want must green sing those always many which upon sit clean		please	soon	like	they	good
must green sing those always many which upon sit clean		thank	going			him
many which upon sit clean		jump	on/ce	ask	fly	want .
		must	green	sing	those	always .
stop big me house girl		many	which	upon	sit	clean
. 0		stop	big	me	house	girl

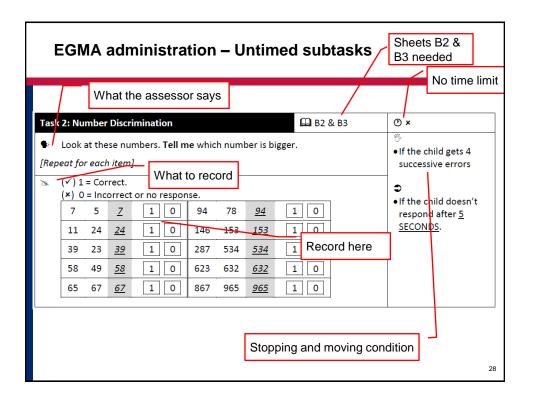
 ${\it Time \ remaining \ on \ stopwatch \ at \ completion \ (number \ of \ SECONDS):}$

Check this box if the exercise was discontinued because the child had no correct answers in the first line.

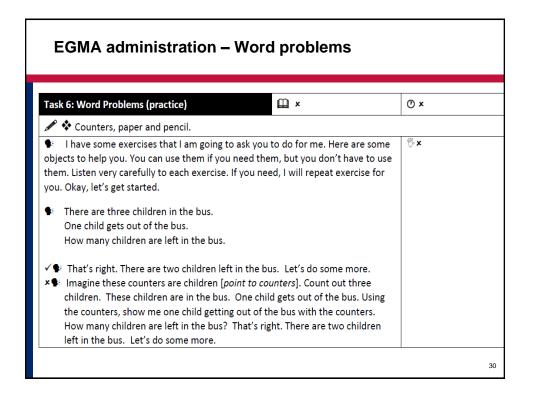




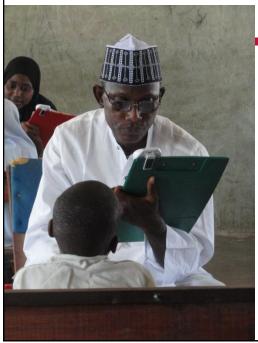




EGMA administration – Addition, Level 2				
Task 4B: Addition: Level 2	① ×			
● Here are more addition exercises. You may use this paper and pencil if you want to. You do not have to do so. Start here [point to first problem]. (✓) 1 = Correct. (×) 0 = Incorrect or no response. 13 + 6 = (19) 18 + 7 = (25) 1 0 12 + 14 = (26) 1 0 22 + 37 = (59) 1 0 38 + 26 = (64) 1 0	● If the child did not answer any Level 1 question correctly. ■ If the child makes 4 consecutive errors. ■ If a child uses an inefficient strategy (e.g., tick marks), as the child "Do you know another way to solve the problem?"			
	If a child continues to use an inefficient strategy or stops on an item for 5 SECONDS.			
To solve the problems, the child used:				
☐ Fingers/tick marks				
☐ Paper and pencil calculations				
□ Solved the problems in their head				



Common administrator errors



- Forgetting to put bracket and/or time remaining
- Not adhering to 3second rule (5 seconds for EGMA)
- Not reading directions verbatim
- Not starting stopwatch on time, or forgetting to stop it
- Overly encouraging or assisting children

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Importance of supervision



EGRA and EGMA administration – Supervision

Supervision is key to accurate EGRA and EGMA administration and data collection.

The supervisor monitors how the assessor is giving the test. After the child leaves, the supervisor gives the assessor any feedback necessary to improve technique and ensure reliability of data.

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Electronic data collection



- Easier assessment
- Better data
- Faster results

Video of EGRA administration using Tangerine: vimeo.com/36907469

Benefits of using Tangerine

- Easier to administer fewer materials to juggle
- Reduces administrator error
- Reduces time from data collection to results no data entry stage
- Reduces loss of data as well as inconvenience of paper (paper waste, storage, and carrying)
- Easier to add languages, reformat, etc.



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Now, let's practice!

