

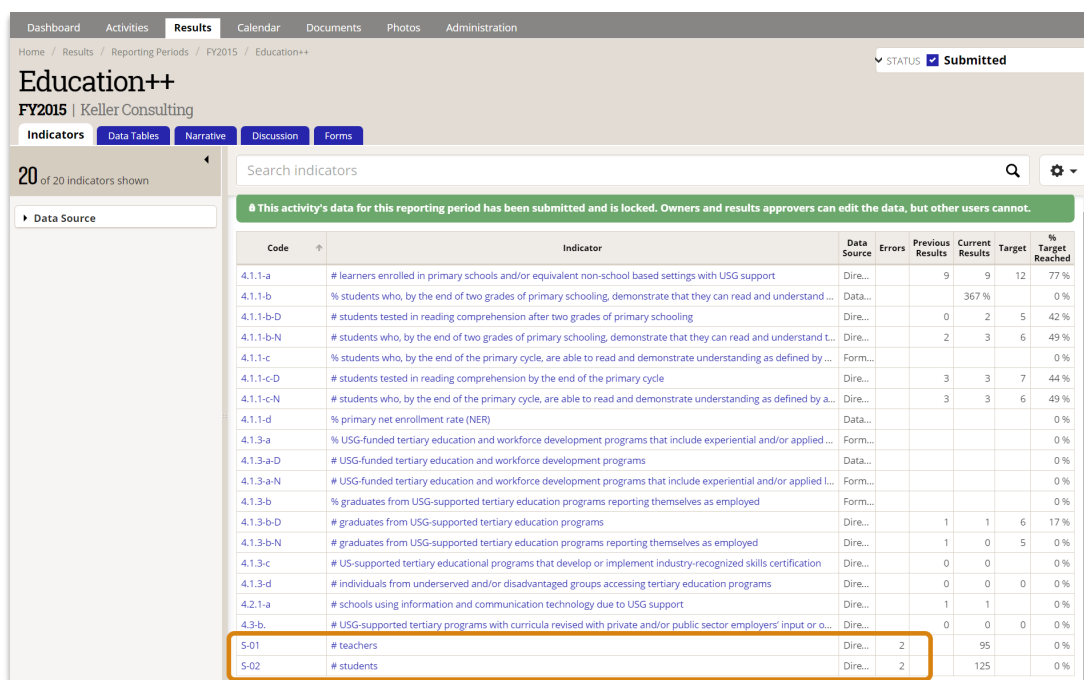
Resolve a Logic Check

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Logic checks are basically safeguards created for specific indicators. For example, let's say you report two indicators (a numerator and denominator) used to calculate a percentage. A site administrator can define a logic check to do a comparison to make sure that the numerator you enter is less than the denominator you enter for the same location/time period. If the system runs the logic check and discovers that the numerator violates this, it will get flagged with a logic check error so that you can easily review it.

How Do I Know If My Indicator Results Violate a Logic Check?

Open the Activity Reporting Period page for the relevant activity and reporting period. Indicators that have logic check violations will have information in the **Errors** column:



The screenshot shows the Education++ interface for FY2015. A notification banner states: "This activity's data for this reporting period has been submitted and is locked. Owners and results approvers can edit the data, but other users cannot." Below this is a table of indicators. The table has columns: Code, Indicator, Data Source, Errors, Previous Results, Current Results, Target, and % Target Reached. Two rows at the bottom are highlighted with an orange box, indicating logic check errors.

Code	Indicator	Data Source	Errors	Previous Results	Current Results	Target	% Target Reached
4.1.1-a	# learners enrolled in primary schools and/or equivalent non-school based settings with USG support	Dire...		9	9	12	77 %
4.1.1-b	% students who, by the end of two grades of primary schooling, demonstrate that they can read and understand ...	Data...		367 %			0 %
4.1.1-b-D	# students tested in reading comprehension after two grades of primary schooling	Dire...		0	2	5	42 %
4.1.1-b-N	# students who, by the end of two grades of primary schooling, demonstrate that they can read and understand t...	Dire...		2	3	6	49 %
4.1.1-c	% students who, by the end of the primary cycle, are able to read and demonstrate understanding as defined by ...	Form...					0 %
4.1.1-c-D	# students tested in reading comprehension by the end of the primary cycle	Dire...		3	3	7	44 %
4.1.1-c-N	# students who, by the end of the primary cycle, are able to read and demonstrate understanding as defined by a...	Dire...		3	3	6	49 %
4.1.1-d	% primary net enrollment rate (NER)	Data...					0 %
4.1.3-a	% USG-funded tertiary education and workforce development programs that include experiential and/or applied ...	Form...					0 %
4.1.3-a-D	# USG-funded tertiary education and workforce development programs	Data...					0 %
4.1.3-a-N	# USG-funded tertiary education and workforce development programs that include experiential and/or applied l...	Form...					0 %
4.1.3-b	% graduates from USG-supported tertiary education programs reporting themselves as employed	Form...					0 %
4.1.3-b-D	# graduates from USG-supported tertiary education programs	Dire...		1	1	6	17 %
4.1.3-b-N	# graduates from USG-supported tertiary education programs reporting themselves as employed	Dire...		1	0	5	0 %
4.1.3-c	# US-supported tertiary educational programs that develop or implement industry-recognized skills certification	Dire...		0	0		0 %
4.1.3-d	# individuals from underserved and/or disadvantaged groups accessing tertiary education programs	Dire...		0	0	0	0 %
4.2.1-a	# schools using information and communication technology due to USG support	Dire...		1	1		0 %
4.3-b	# USG-supported tertiary programs with curricula revised with private and/or public sector employers' input or o...	Dire...		0	0	0	0 %
5-01	# teachers	Dire...	2		95		0 %
5-02	# students	Dire...	2		125		0 %

I See Errors for Some of my Indicators; What Do I Do to Fix Them?

First, click on the indicator in the above view that has the errors.

This will open a grid for the indicator's data. Any row that violates a logic check will have a **Warnings** button in the far right column:

Dashboard Activities **Results** Calendar Documents Photos Administration

Home / Results / Reporting Periods / FY2015 / Education++

STATUS ☒ Submitted

Education++

FY2015 | Keller Consulting

Indicators Data Tables Narrative Discussion Forms

S-01 # teachers

Disaggregation:

This activity's data for this reporting period has been submitted and is locked. Owners and results approvers can edit the data, but other users cannot.

Recalculate logic checks

Region	Result	Comment	Warnings
Boké	23		Warnings
Conakry	2		
Faranah	70		Warnings
	95		

Click on the **Warnings** button to see the logic check calculation that threw the error:

Dashboard Activities **Results** Calendar Documents Photos Administration

Home / Results / Reporting Periods / FY2015 / Education++

STATUS ☒ Submitted

Education++

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S-01 # teachers

Disaggregation:

This activity's data for this reporting period has been submitted and is locked. Owners and results approvers can edit the data, but other users cannot.

Recalculate logic checks

Region	Result	Comment	Warnings
Boké			Warnings
Conakry			
Faranah	70		Warnings
	95		

Logic Check Warning
[S-02] > [S-01]

These warnings use standard mathematical comparisons using $>$, $<$, $=$, and \neq (does not equal). So in this example, the system is checking to make sure that data reported for S-02 are greater than data reported for S-01. For each flagged entry, the system found this was NOT true. So once we adjust S-01 so that the data there is greater than for S-02, we've fixed the problem.

If you still don't understand why this data was flagged, you can click the calculation equation in blue; this will open a detail page for the logic check itself, which will show you each row that violates the check and what the values it found for each indicator were. In this example, the "Left" value was reported for indicator S-02 and the "Right" value was reported for indicator S-01:

Dashboard Activities **Results** Calendar Documents Photos Administration

Home Results Logic Checks More students than teachers

More students than teachers

History

Definition

[S-02] > [S-01]

✓ Indicators referenced: S-02 # students

✓ Indicators referenced: S-01 # teachers

Notes

Notes on the purpose of this logic check (optional).

Warnings

Reporting Period: FY2015 (Dec 2015) Run logic check

Activity	Place	Left	Right
Education++	Boké	22	23
Education++	Faranah	32	70

To resolve this, then, we'd need to adjust the totals for FY2015 so that the number of females for S-02 is greater than the number of females for S-01.

I've Fixed My Data; How Do I Make Sure It's Okay?

The system does not instantly recalculate logic checks for indicator results, so you won't immediately see the **Warnings** button disappear. You have two options:

1. Wait 15 minutes until the system automatically recalculates them.
2. You can instantly manually recalculate these logic checks by clicking the **Recalculate logic checks** button on the Activity Reporting Period page, in the Indicator Results reporting page, or in the Logic Check details screen:

Dashboard Activities **Results** Calendar Documents Photos Administration

Home Results Reporting Periods FY2015 Education++

STATUS Submitted

Education++

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Indicators Data Tables Narrative Discussion Forms

S-01 # teachers

Disaggregation:

This activity's data for this reporting period has been submitted and is locked. Owners and results approvers can edit the data, but other users cannot.

Recalculate logic checks

Region	Result	Comment
Boké	23	Warnings
Conakry	2	
Faranah	70	Warnings
	95	

If you've properly resolved the issues, the **Warnings** button will disappear.

Didn't answer your question? Please email us at help@devresults.com .

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