Demonstration of how to configure the Numerator relations page of the Tool

1. While still in More-Administration, click on the tab labeled "Numerator relations". This is where you will specify pairs of data elements which should be compared to each other. By default, the Tool may recommend some pairs.

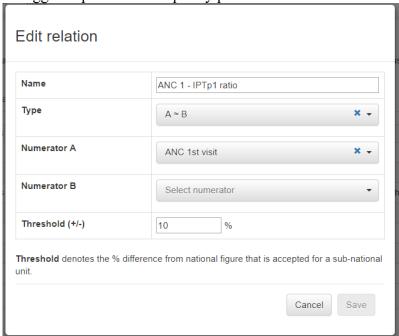
In addition, there is a blue Add button in the lower right corner of the page that can be used to add new "Numerator relations".

Administration This module is used for configuring the Data Quality Tool, and mapping the proposed data quality indicators to data elements and indicators in the DHIS 2 database. This configuration is used as the basis for the Annua configuration is also used for the Dashboard. Numerators Numerator groups Numerator relations Numerator guality parameters Denominators Denominator relations External data comparison Numerator A Numerator B Type Threshold (%) Threshold explanation Description % difference between A and B. A and B should be roughly equal. Edit Delete Should not be access? ANC 1 - IPTp1 ratio DPT 1 to 3 dropout rate Penta1 doses given Penta3 doses given Dropout rate Should not be negative Dropout rate. A should be greater than B. Edit De % difference between A and B. A and B should be roughly equal. PLHIV in care to PLHIV on ART 10 % difference between A and B. A and B should be roughly equal. Malaria cases tested to malaria cases treated TB cases notified to TB cases registered for treatment A≈B 10 % difference between A and B. A and B should be roughly equal. Confirmed malaria cases to confirmed malaria cases treated % difference between A and B. A and B should be roughly equal. Edit Delete

2. We have already mapped DPT1 and DPT3, so the Tool is able to automatically configure the relation of DPT 1 to DPT3. Numerator A (DPT 1) has been mapped to "Penta 1 doses given". Numerator B (DPT 3) has been mapped to "Penta 3 doses given". By default, this relation is set to Type = Dropout rate.

Type - Dropout rate.						
DPT 1 to 3 dropout rate	Penta1 doses given	Penta3 doses given	Dropout rate	Should not be negative	Dropout rate. A should be greater than B.	Edit

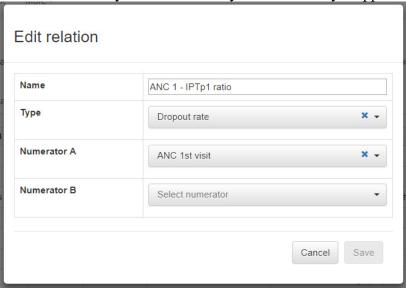
3. To see how "Numerator relations" are configured, click on the Edit button to the right of "ANC 1 – IPTp 1 ratio". A default relationship "Type" is suggested: A = B. And a default Threshold is suggested: 10%. The meaning of "Threshold" depends upon the relationship type. For relationship type of A = B, the threshold is defined as the maximum % that Numerator A can differ from Numerator B. For example, if ANC 1 and IPTp 1 differed by more than 10%, then this might suggest a possible data quality problem.



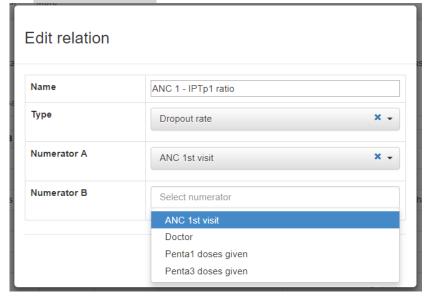
4. ANC 1 is often significantly greater than IPT 1¹. So we do not want to assess whether A = B. Instead, we want to assess whether the ratio of A to B for each sub-national unit (region or district) is the same as the ratio of A to B at national level. For this comparison, change "Type" to "Equal across orgunits". For relationship type of "Equal across orgunits", the threshold is defined as the maximum % that Numerator A can differ from Numerator B. For example, if ANC 1 and IPTp 1 differed by more than 10%, then this might suggest a possible data quality problem.

In practice, ANC 1 is frequently significantly greater than IPTp 1 due to missed opportunities for administering IPTp 1. Also, women who first visit antenatal clinic during their 1st 16 weeks of pregnancy are not eligible for IPTp with SP.

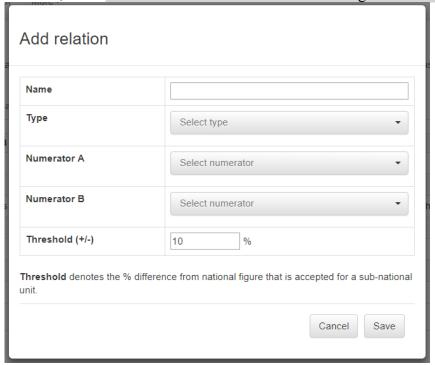
5. You cannot Save this relation until you have specified Numerator A and Numerator B. Numerator A is filled in by default because you have already mapped ANC 1.



6. If you click on the down arrow to right of Numerator B, however, you will not find the numerator that you want. This is because the drop down list includes only numerators that you have already mapped. So, if you want to review the data using this relation, you must first go back and map the numerator "IPTp 1". Click Cancel to abandon for now the attempt to configure this particular numerator relation.



7. Next, let us click on the Add button at the bottom right of the "Numerator relations" page



Again, all field must be filled before you will be permitted to Save the relation. You will do this as part of the next exercise.