Exchange rates into USD, 2019

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| **Currency** | **1 USD 2019 =** |
| GBP | 0.7580 |
| EURO | 0.890 |
| UGX | 3660 |
|  |  |

Source: US Treasury, <https://www.fiscal.treasury.gov/reports-statements/treasury-reporting-rates-exchange/historical.html> December 2019

**Table 1. Setting up main indicators**

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| # | Variable/indicator | How? | Why? |
|  | Budget\_USD | Convert the Total budget for the duration of the project into USD.  Use the 2019 average exchange rate | Using 2019 as the average for the years we are looking at (this is a crude but simplifying assumption) |
|  | Spend\_USD | Convert Total spent from project start date to project end date or spending end date, as applicable into USD.  Use the 2019 average exchange rate |  |
|  | Execution\_rate | Divide Spend\_USD by Budget\_USD | A sense check that they’ve given spend in the correct currency. We won’t use this for any final presentation but some internal QA analysis. |
|  | Months | Calculates total months of project spending – so The final date at which spending is included in your reporting minus Date from which the project was live and spending started, converted into months | Total months of project spending |
|  | Monthly\_spend\_all | Spend\_USD divided by Months |  |
|  | Spend\_1718\_all | If the project started before January 2018, then = 6 x Monthly\_spend (i.e. 6 months at the monthly spend)  If the project started before June 2018: = Number of months in 2018/19 FY (e.g. if it starts in Feb 2018, 5 months) x monthly\_spend | These calculate the spend for each financial year. The financial year is July-June. However Year 0 of the ERP was only Jan-June 2018. |
|  | Spend\_1819\_all | = Number of months the project was active in FY 18/19 x monthly\_spend  e.g.1. if the project started before July 2018 and ended after July 2019, then  =12 x monthly\_spend  e.g.2. If the project started in November 2018 and finished in 2020 then = 8 x monthly\_spend |  |
|  | Spend\_1920\_all | = Number of months the project was active in FY 19/20 (up to/including June 2020) x monthly\_spend | Note that if actual spend goes into July or August 2020, those months do not count towards 2019/20. |
|  | Spend\_3Ys\_all | = Spend\_1718\_all + Spend\_1819\_all + Spend\_1920\_all | Gives total spending in years 0-2 of the ERP |
|  | Spendprop\_Distlevel\_all | = (A/B) \* C  A = total number of ERP districts (from In which ERP districts does your project work?) Relabel Districts\_RHC  B = How many local governments (e.g. districts or municipalities) does your project work in, in total?) Relabel Districts\_total  C = How focused on refugee hosting subcounties is your spend in the ERP districts?  None=0%  Some = 25%  Half = 50%  Most = 75%  All = 100% | Gives the proportion of all spending on refugees/host communities at the district level |
|  | Spendprop\_RHC\_all | = A + B  Where  A = What proportion is at the national level? (relabel Spendprop\_Nat\_all)  B = Spendprop\_Distlevel\_all | Gives the proportion of all spending on refugees/host communities in total (national and district level) |
|  | Spend\_RHC\_3Ys\_all | = Spend\_3Ys\_all \* Spendprop\_RHC\_all | Gives the total spending in years 0-2 that is on RHC, but not necessarily specific to the ERP |
|  | Spend\_RHC\_3Ys\_ERPspec | = A \* B  Where  A = Spend\_RHC\_3Ys\_all  B = proportion of spending which is ERP specific (ie. question **A.** Of your TOTAL spend to date) | Gives the total spending in years 0-2 that is on RHC and specific to the ERP |
|  | Spend\_RHC\_3Ys\_ERPrel | = A \* B  Where  A = Spend\_RHC\_3Ys\_all  B = proportion of spending on ERP relevant activities (question Of your TOTAL spend to date, what proportion would you estimate relates to activities not included in the ERP? (note the total of this, and your answer to A, cannot be more than 100%) ) | Gives the total spending in years 0-2 that is on RHC and relevant – but not specific - to the ERP |

**Table 2 Details of ERP specific spending**

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| # | Variable/indicator | How? | Why? |
|  | ERP specific spending by outcome area |  |  |
|  | Spend\_RHC\_3Ys\_ERPspec\_O1 | = Spend\_RHC\_3Ys\_ERPspec \* Outcome 1  (Increasing equitable access and inclusive relevant learning opportunities) | Gives the total spending in years 0-2 that is on RHC and specific to the ERP, on Outcome 1 |
|  | Spend\_RHC\_3Ys\_ERPspec\_O2 | = Spend\_RHC\_3Ys\_ERPspec \* Outcome 2 (Improving delivery of quality education and training) | Gives the total spending in years 0-2 that is on RHC and specific to the ERP, on Outcome 2 |
|  | Spend\_RHC\_3Ys\_ERPspec\_O3 | = Spend\_RHC\_3Ys\_ERPspec \* Outcome 3 (Strengthening systems for effective delivery) | Gives the total spending in years 0-2 that is on RHC and specific to the ERP, on Outcome 3 |
|  | Spend\_RHC\_3Ys\_ERPspec\_O4 | = Spend\_RHC\_3Ys\_ERPspec \* Outcome Other | Gives the total spending in years 0-2 that is on RHC and specific to the ERP, on Outcome 4 - other |
|  | QA check | Adding the four outcome variables should sum to Spend\_RHC\_3Ys\_ERPspec  (Alternatively check the 4 outcome raw %ages sum to 100% - but this would check that the calculation of the indicators has worked) |  |
|  | ERP specific spending by programme level |  |  |
|  | Spend\_RHC\_3Ys\_ERPspec\_ECD | = Spend\_RHC\_3Ys\_ERPspec \* ECD |  |
|  | Spend\_RHC\_3Ys\_ERPspec\_Prim | = Spend\_RHC\_3Ys\_ERPspec \* Primary |  |
|  | Spend\_RHC\_3Ys\_ERPspec\_Sec | = Spend\_RHC\_3Ys\_ERPspec \* Secondary |  |
|  | Spend\_RHC\_3Ys\_ERPspec\_Acc | = Spend\_RHC\_3Ys\_ERPspec \* Accelerated education |  |
|  | Spend\_RHC\_3Ys\_ERPspec\_Voc | = Spend\_RHC\_3Ys\_ERPspec \* Skills and vocational training |  |
|  | Spend\_RHC\_3Ys\_ERPspec\_Sys | = Spend\_RHC\_3Ys\_ERPspec \* System strengthening |  |
|  | Spend\_RHC\_3Ys\_ERPspec\_PO | = Spend\_RHC\_3Ys\_ERPspec \* Programme Other |  |
|  | QA check | Adding the seven programme variables should sum to Spend\_RHC\_3Ys\_ERPspec  (Alternatively check the 7 programme raw %ages sum to 100% - but this would check that the calculation of the indicators has worked) |  |
|  | ERP specific spending by activity type |  |  |
|  | Spend\_RHC\_3Ys\_ERPspec\_IN | = Spend\_RHC\_3Ys\_ERPspec \* Infrastructure |  |
|  | Spend\_RHC\_3Ys\_ERPspec\_MA | = Spend\_RHC\_3Ys\_ERPspec \* Materials |  |
|  | Spend\_RHC\_3Ys\_ERPspec\_TS | = Spend\_RHC\_3Ys\_ERPspec \* Teacher salary |  |
|  | Spend\_RHC\_3Ys\_ERPspec\_TT | = Spend\_RHC\_3Ys\_ERPspec \* Teacher training |  |
|  | Spend\_RHC\_3Ys\_ERPspec\_CH | = Spend\_RHC\_3Ys\_ERPspec \* Training to the children |  |
|  | Spend\_RHC\_3Ys\_ERPspec\_CO | = Spend\_RHC\_3Ys\_ERPspec \* Strengthening school/parent /community structures |  |
|  | Spend\_RHC\_3Ys\_ERPspec\_DS | = Spend\_RHC\_3Ys\_ERPspec \* System strengthening (District) |  |
|  | Spend\_RHC\_3Ys\_ERPspec\_NS | = Spend\_RHC\_3Ys\_ERPspec \* System strengthening (National) |  |
|  | Spend\_RHC\_3Ys\_ERPspec\_PI | = Spend\_RHC\_3Ys\_ERPspec \* Piloting/innovations |  |
|  | Spend\_RHC\_3Ys\_ERPspec\_AO | = Spend\_RHC\_3Ys\_ERPspec \* Activity Other |  |
|  | QA check | Adding the 10 activity types together and check it comes to the total. |  |
|  | ERP specific spending by geographic level |  |  |
|  | Spend\_RHC\_3Ys\_ERPspec\_Nat | = Spend\_RHC\_3Ys\_ERPspec \* Spendprop\_Nat\_all | Total spend over years 0-2 on RHC and ERP specific activities, at the national level |
|  | Spend\_RHC\_3Ys\_ERPspec\_Dist | = Spend\_RHC\_3Ys\_ERPspec \* Spendprop\_Distlevel\_all | Total spend over years 0-2 on RHC and ERP specific activities, at the district level |
|  | QA check | Spend\_RHC\_3Ys\_ERPspec\_Nat + Spend\_RHC\_3Ys\_ERPspec\_Dist should = Spend\_RHC\_3Ys\_ERPspec |  |

**Still to do:**

* ? Analysis by funding type – Categorising funders by Government, Multi-lateral, Bi-lateral, Foundation/Private
* ? Analysis by implementing type – Categorising implementers by Government (which is govt spending and on-budget spending), NGOs, private companies, UN agencies, mix
* Level of detail we could go into:
  + Spend by district – takingSpend\_RHC\_3Ys\_ERPspec\_Dist and then splitting up between the relevant ERP districts
  + Cutting everything at a lower level – e.g. splitting up all of table 2 by the three financial years (or at least total ERPspec spending by FY).