

# UNAIDS\_2024\_Clean\_Estimates

Autogenerated data summary from dataReporter

2024-08-05 10:00:12.340785

## Data report overview

The dataset examined has the following dimensions:

Feature	Result
Number of observations	242993
Number of variables	18

## Checks performed

The following variable checks were performed, depending on the data type of each variable:

	character	factor	labelled	haven labelled	numeric	integer	logical	Date
Identify miscoded missing values	×	×	×	×	×	×		×
Identify prefixed and suffixed whitespace	×	×	×	×				
Identify levels with < 6 obs.	×	×	×	×				
Identify case issues	×	×	×	×				
Identify misclassified numeric or integer variables	×	×	×	×				
Identify outliers					×	×		×

Please note that all numerical values in the following have been rounded to 2 decimals.

## Codebook summary table

Label	Variable	Class	# unique values	Missing	Description
Year of estimate	<b>year</b>	numeric	34	0.00 %	
Three digit ISO country code	<b>iso</b>	character	183	0.00 %	
Country name	<b>country</b>	character	183	0.00 %	
UNAIDS regional groupings	<b>region</b>	character	10	1.37 %	
Epidemic indicator	<b>indicator</b>	character	19	0.00 %	
Age groups	<b>age</b>	character	5	0.00 %	
Sex groups	<b>sex</b>	character	3	0.00 %	
Modeled estimate value	<b>estimate</b>	numeric	35592	29.64 %	

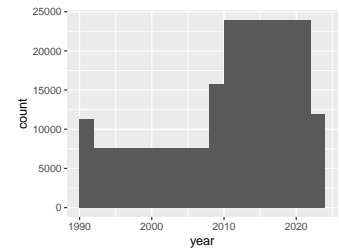
Label	Variable	Class	# unique values	Missing	Description
Lower bound estimate from model	<b>lower_bound</b>	numeric	21761	40.73 %	
Upper bound estimate from model	<b>upper_bound</b>	numeric	21876	40.73 %	
demarcates estimates that have <   > signs associated with them	<b>estimate_flag</b>	logical	3	31.25 %	
Sheet from which data are derived	<b>sheet</b>	character	2	0.00 %	
nNature of the estimate, percent or integer	<b>indic_type</b>	character	2	0.00 %	
Logical flagging PEPFAR	<b>pepfar</b>	logical	3	6.88 %	
operating units					
Flag indicating that a country has achieved all 3 95 UNAIDS goals using the PLHIV base	<b>achv_95_plhiv</b>	logical	3	20.81 %	
Flag indicating that a country has achieved all 3 95 UNAIDS goals using the relative (sliding) base	<b>achv_95_relative</b>	logical	3	20.62 %	
Ratio of new HIV Infections to total deaths to HIV population in 2023	<b>epi_ratio_2023</b>	numeric	130	30.85 %	
Flag indicating a country has reached epi control – where total number of new HIV infections falls below the total number of deaths to HIV population	<b>epi_control</b>	logical	3	27.69 %	

## Variable list

### year

*Year of estimate*

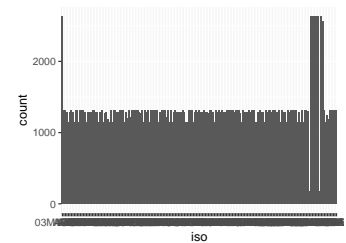
Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	34
Median	2013
1st and 3rd quartiles	2006; 2018
Min. and max.	1990; 2023



## iso

Three digit ISO country code

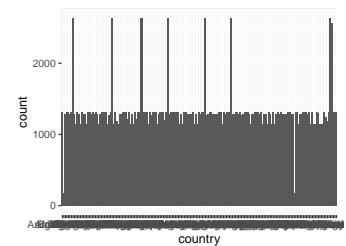
Feature	Result
Variable type	character
Number of missing obs.	0 (0 %)
Number of unique values	183
Mode	"03M49WLD"



## country

Country name

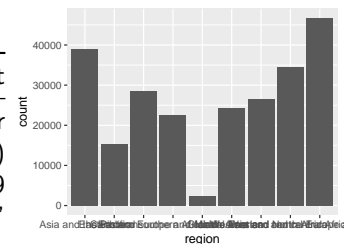
Feature	Result
Variable type	character
Number of missing obs.	0 (0 %)
Number of unique values	183
Mode	"Asia and the Pacific"



## region

UNAIDS regional groupings

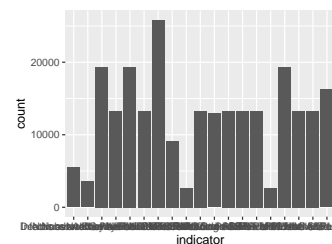
Feature	Result
Variable type	character
Number of missing obs.	3332 (1.37 %)
Number of unique values	9
Mode	"Western and central Europe and North America"



## indicator

Epidemic indicator

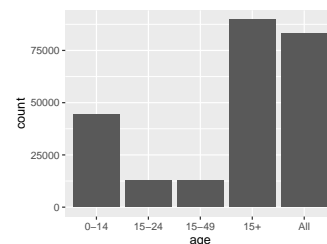
Feature	Result
Variable type	character
Number of missing obs.	0 (0 %)
Number of unique values	19
Mode	"Number PLHIV"



## age

Age groups

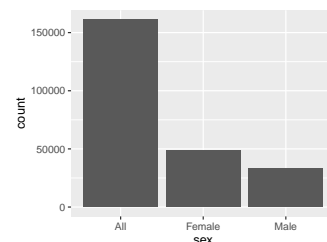
Feature	Result
Variable type	character
Number of missing obs.	0 (0 %)
Number of unique values	5
Mode	"15+"



## sex

Sex groups

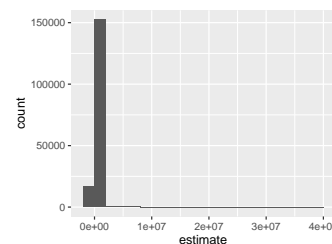
Feature	Result
Variable type	character
Number of missing obs.	0 (0 %)
Number of unique values	3
Mode	"All"



## estimate

Modeled estimate value

Feature	Result
Variable type	numeric
Number of missing obs.	72022 (29.64 %)
Number of unique values	35591
Median	100
1st and 3rd quartiles	35; 4700
Min. and max.	-526.09; 39900000

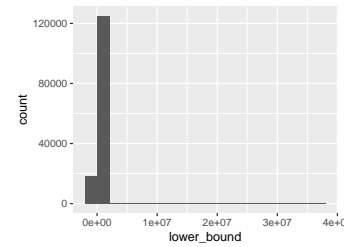


- Note that the following possible outlier values were detected: "-526.09", "-291.65", "-246.92", "-218.38", "-214.17", ..., "38600000", "38700000", "39200000", "39500000", "39900000" (3376 values omitted).

## lower\_bound

Lower bound estimate from model

Feature	Result
Variable type	numeric
Number of missing obs.	98964 (40.73 %)
Number of unique values	21760
Median	82
1st and 3rd quartiles	15; 1500
Min. and max.	-461.04; 36100000

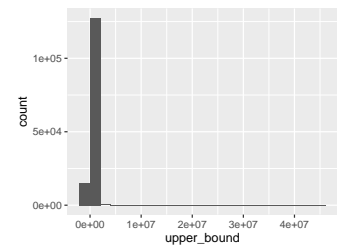


- Note that the following possible outlier values were detected: "-461.04", "-228.46", "-194.77", "-193.42", "-191.36", ..., "34900000", "3.5e+07", "35400000", "35800000", "36100000" (1771 values omitted).

## upper\_bound

*Upper bound estimate from model*

Feature	Result
Variable type	numeric
Number of missing obs.	98964 (40.73 %)
Number of unique values	21875
Median	98
1st and 3rd quartiles	24; 2500
Min. and max.	-613.32; 44600000

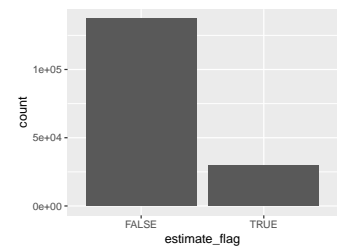


- Note that the following possible outlier values were detected: "-613.32", "-379.37", "-321.19", "-257.61", "-244.68", ..., "43100000", "43200000", "43800000", "44200000", "44600000" (1616 values omitted).

## estimate\_flag

*demarcates estimates that have < / > signs associated with them*

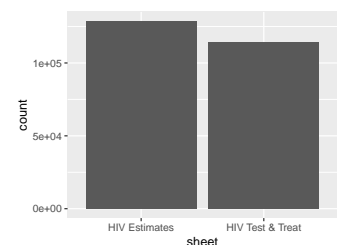
Feature	Result
Variable type	logical
Number of missing obs.	75925 (31.25 %)
Number of unique values	2
Mode	"FALSE"



## sheet

*Sheet from which data are derived*

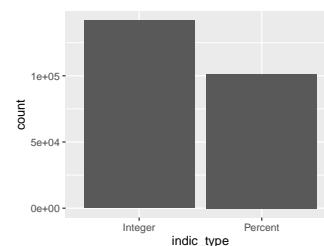
Feature	Result
Variable type	character
Number of missing obs.	0 (0 %)
Number of unique values	2
Mode	"HIV Estimates"



## indic\_type

*n*Nature of the estimate, percent or integer

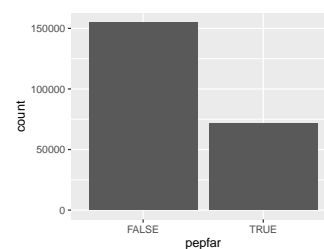
Feature	Result
Variable type	character
Number of missing obs.	0 (0 %)
Number of unique values	2
Mode	"Integer"



## pepfar

*Logical flagging PEPFAR operating units*

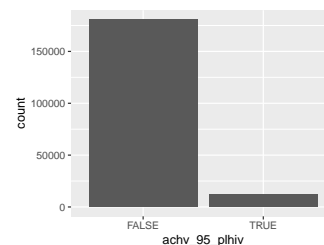
Feature	Result
Variable type	logical
Number of missing obs.	16729 (6.88 %)
Number of unique values	2
Mode	"FALSE"



## achv\_95\_plhiv

*Flag indicating that a country has achieved all 3 95 UNAIDS goals using the PLHIV base*

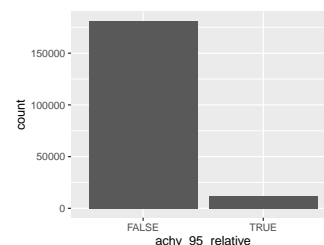
Feature	Result
Variable type	logical
Number of missing obs.	50560 (20.81 %)
Number of unique values	2
Mode	"FALSE"



## achv\_95\_relative

*Flag indicating that a country has achieved all 3 95 UNAIDS goals using the relative (sliding) base*

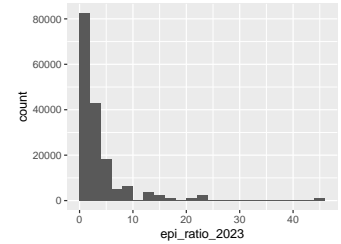
Feature	Result
Variable type	logical
Number of missing obs.	50094 (20.62 %)
Number of unique values	2
Mode	"FALSE"



## epi\_ratio\_2023

*Ratio of new HIV Infections to total deaths to HIV population in 2023*

Feature	Result
Variable type	numeric
Number of missing obs.	74970 (30.85 %)
Number of unique values	129
Median	2.06
1st and 3rd quartiles	1.06; 4.08
Min. and max.	0.52; 44.44

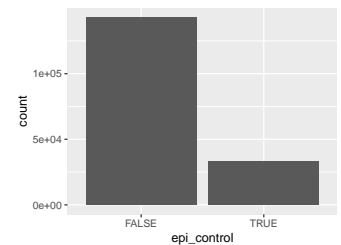


- Note that the following possible outlier values were detected: "20.26", "22.7", "23.25", "44.44".

## epi\_control

*Flag indicating a country has reached epi control – where total number of new HIV infections falls below the total number of deaths to HIV population*

Feature	Result
Variable type	logical
Number of missing obs.	67278 (27.69 %)
Number of unique values	2
Mode	"FALSE"



### Report generation information:

- Created by: tessam30 (username: tessam).
- Report creation time: Mon Aug 05 2024 10:00:30
- Report was run from directory: C:/Users/tessam/Documents/Github/mindthegap
- dataReporter v1.0.2 [Pkg: 2021-11-11 from CRAN (R 4.4.1)]
- R version 4.4.0 (2024-04-24 ucrt).
- Platform: x86\_64-w64-mingw32/x64(America/New\_York).
- Function call: `makeDataReport(data = UNAIDS_2024_Clean_Estimates, file = "data-raw/UNAIDS_2024_Clean_Esti", replace = TRUE, codebook = TRUE)`