# Data Validation Exercise before Entry into UCSR

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### Abstract

**Summary**. This is a document to validate and check variables before they are integrated into the UCSR.

## 1 High-level codebook for all variables

lead\_author

disease Disease type: numeric (long) label: disease units: 1 range: [1,1] unique values: 1 missing .: 0/138 tabulation: Freq. Numeric Label 138 1 HIV collapsed Collapsed type: numeric (float) label: collapsed range: [0,0] units: 1 unique values: 1 missing .: 0/138 tabulation: Freq. Numeric Label 138

Lead Author

type: string (str59), but longest is str21

unique values: 22 missing "": 0/138

examples: "Bautista-Arredondo, S"

"Larson, B"
"Rosen, S"
"Settumba, S"

warning: variable has embedded blanks

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ref\_year Reference Year

type: numeric (int)

range: [2008,2016] units: 1
unique values: 8 missing .: 0/138

tabulation: Freq. Value

output\_unit2 Output unit

type: numeric (long)
label: output\_unit2

range: [2,3] units: 1 unique values: 2 missing .: 0/138

tabulation: Freq. Numeric Label

5 2 patient visit 133 3 patient year

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title Title

type: string (str214)

unique values: 23 missing "": 0/138

examples: "Costing Analysis of National HIV Treatment and Care

Program in Vietnam"

"Costs of HIV/AIDS treatment in Indonesia by time of

treatment and stage of disease"

"Monitoring of HIV viral load, CD4 cell count, and

clinical assessment versus clinical monitoring alone for antiretroviral therapy in low-resource settings (Stratall ANRS 12110/ESTHER): a cost-effectiveness

analysis"

"The cost-effectiveness of integrated care for people living with HIV including antiretroviral treatment in a primary health care center in Bujumbura, Burundi"

warning: variable has embedded and trailing blanks

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journal\_etc Journa

type: string (str57)

unique values: 23 missing "": 0/138

examples: "BMC Health Serv Res. 2015; 15: 440"

"J Acquir Immune Defic Syndr. 2014 Jan 1;65(1):e1-7"

"PLoS Med. 2011 Sep;8(9):e1001095"

"Trop Med Int Health. 2008 Aug;13(8):1005-15"

warning: variable has embedded blanks

url URL

type: string (str97), but longest is str79

unique values: 23 missing "": 0/138

examples: "<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC459025

8/>."

"<https://www.ncbi.nlm.nih.gov/pubmed/18631314>."

"<https://www.ncbi.nlm.nih.gov/pubmed/21765366>."

"<https://www.ncbi.nlm.nih.gov/pubmed/23846564>."

iso\_name Country

type: string (str30), but longest is str14

unique values: 18 missing "": 0/138

examples: "Indonesia"

"Lesotho"

"South Africa"

"Uganda"

warning: variable has embedded blanks

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location

type: string (str55)

unique values: 25 missing "": 2/138

 $\bigcirc$ 

examples: "Bujumbura"

"Gauteng Province"

"Mexico City, Cuernavaca, Guadalajara"

"mixed"

warning: variable has embedded and trailing blanks

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no\_sites Sites

type: string (str2)

unique values: 13 missing "": 0/138

examples: "1"

"1" "11"

"3"

\_\_\_\_\_

pop\_density Urbanicity

type: numeric (long)

label: pop\_density, but 1 nonmissing value is not labeled

range: [1,5] units: 1
unique values: 5 missing .: 0/138

tabulation: Freq. Numeric Label

 $\bigcirc$ 

2 1 .

40 2 mixture 2 3 peri-urb

2 3 peri-urban

23 4 rural

71 5 urban

ownership Ownership

......

type: numeric (long)
label: ownership

range: [1,5] units: 1

unique values: 5 missing .: 10/138

tabulation: Freq. Numeric Label

6 1 in-country NGO

19 2 international NGO

 $\bigcirc$ 

3 mixed
8 4 private
84 5 public

10 .

-----

platform Platform

type: numeric (float)

label: platform

range: [1,5] units: 1 unique values: 2 missing .: 0/138

tabulation: Freq. Numeric Label

133 1 Fixed facility

5 5 Other

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facility\_cat Platform specificity

type: numeric (float)
label: facility\_cat

range: [101,501] units: 1 unique values: 11 missing .: 0/138

examples: 104 Clinic at hospital (intervention- or disease-specific)

104 Clinic at hospital (intervention- or disease-specific)

107 Hospital - Secondary (regional, specialist)

110 Mix of health care facility types

\_\_\_\_\_\_

id\_class Intervention Category

type: numeric (long)

label: id\_class

range: [1,1] units: 1 unique values: 1 missing .: 0/138

tabulation: Freq. Numeric Label

138 1 Treatment and Care

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id\_int Intervention

type: numeric (long)

label: id\_int

range: [1,1] units: 1 unique values: 1 missing .: 0/138

tabulation: Freq. Numeric Label

> 138 1 Adult ART

### int\_description\_long

Intervention Description (Long)

type: string (str1165), but longest is str1071

missing "": 0/138 unique values: 31

"ART treatment and support care" examples:

> "Integrated care center offered out-patient visits, pharmacy and lab services, voluntary counseling and testing, adherence counseling, and psychological,

social, and food support"

"Patients visited the clinic monthly to take ART, and underwent CD4 cell count, viral load, and routine

laboratory tests approx every 6 mo."

"Standard of care was nurse driven and doctor supported. Patients queued to have their folders retrieved by administrative clerks on arrival for their monthly scheduled appointments. Patients then queued to be seen by a nurse who prescribed their medication and again at the pharmacy where their medication was individually dispensed. In Waiting Times Surveys conducted in similar settings, waiting

times for patients range from 20 to 215 min"

warning: variable has embedded and trailing blanks

clinical\_monitoring

Clinical monitoring \_\_\_\_\_\_

type: string (str62)

unique values: 20 missing "": 0/138

examples: "CD4, VL"

"CD4, VL, complete blood count" "CD4, hematology, biochemistry"

"yes - details NR"

warning: variable has embedded blanks

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type: numeric (long) label: demand\_generation

range: [1,1] units: 1 unique values: 1 missing .: 0/138

tabulation: Freq. Numeric Label 138 1 nr

counseling\_content

Counseling content

type: numeric (long) label: counseling\_content

range: [1,6] units: 1 missing .: 0/138 unique values: 6

tabulation: Freq. Numeric Label

> 1 counseling - details nr 3 25 2 initial counseling, ongoing

counseling

2 3 none 75 4 nr

8 5 ongoing adherence counseling

25 6 yes - details nr

staff\_type Staff type & number

type: string (str115)

unique values: 20 missing "": 0/138

examples:

"Physician (4), Nurse (2), Other - specify:

Laboratory (1), Other - specify: Administration and

Cleaning Service (6)"

"Physician (NR), Nurse (NR)"

"physician (0.8), nurse (7.7), community health

worker (5.9), other (2.4)"

warning: variable has leading and embedded blanks

supportive\_care \_\_\_\_\_

Supportive care

type: string (str60)

missing "": 0/138 unique values: 11

examples: "OI prophylaxis"

"OI treatment" "OI treatment"

"nutritional support, OI prophylaxis, OI treatment"

warning: variable has embedded blanks

visits Visit type & number

type: string (str58), but longest is str41

unique values: 33 missing "": 0/138

examples: "12/yr"

"NR" "NR." "NR"

warning: variable has embedded blanks

referrals Referrals

type: string (str25)

unique values: 4 missing "": 2/138

tabulation: Freq. Value

123 "NR"

8 "Nurse (#NR), Doctor (#NR)"

1 "yes - hospital" 4 "yes - social worker"

warning: variable has embedded blanks

method Method

type: numeric (long)

label: method

range: [1,1] units: 1 unique values: 1 missing .: 0/138

tabulation: Freq. Numeric Label

138 1 n/a

Technology

type: numeric (long)

label: id\_tech

units: 1 range: [1,22] unique values: 19 missing .: 30/138

TDF + FTC + EFV; TDF + FTC + LPV/r examples: 8

> d4t + 3TC + NVP (most common) 17

21 first line; second line

Treatment phase treatment\_phase

> type: numeric (long) label: treatment\_phase

range: [1,3] units: 1 unique values: 3 missing .: 0/138

tabulation: Freq. Numeric Label

> 1 initiation 56

51 2 initiation and maintenance

3 maintenance

arv\_regimen ARV Regimen

type: numeric (long) label: arv\_regimen

range: [1,7] units: 1 unique values: 7 missing .: 0/138

tabulation: Freq. Numeric Label

1 first line 34

63 2 first line, second line

3 first line, second line, third

line

6 4 mixed

23 5 nr

1 6 second line 3 7 yes, details nr

treatment Treatment

type: string (str122)

unique values: 9 missing "": 0/138

tabulation: Freq. Value

1 "AZT + 3TC + NVP, D4T+ 3TC+ EFV, D4T +  $\frac{1}{2}$ 

3TC + NVP or DDI + 3TC + NVP"

6 "AZT+3TC+NVP; d4T+3TC+NVP; AZT+3TC+EFV; d4T+3TC+EFV; 3TC+ddI+NVP; AZT+3TC+ABC; d4T+3TC+ABC; d4T+ddI+EFV; AZT+3TC+NFV;

Other"

4 "EFV + ZDV/3TC; NVP + ZDV/3TC; ABC + TDF

+ LPV/r"

87 "N/A"

1 "TDF; AZT + 3TC; LPV+R; ATZ; DRV; 3TC;

FPV; NVP; RTV; RAL; AZT; D4T"

6 "TDF+FTC; AZT+3TC; ABC+3TC; d4T+3TC;

NNRTI or PI; NVP; EFV; LPV/r"
8 "d4T+3TC+EFV; d4T+3TC+NVP;

AZT+ddI+LPV/r"

22 "first line; second line"

3 "yes, details NR"

warning: variable has embedded blanks

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screening\_diagnoses

Screening and diagnosis

type: numeric (long)
label: screening\_diagnoses

range: [1,3] units: 1 unique values: 3 missing .: 0/138

tabulation: Freq. Numeric Label

51 (1 n/a)
(54) (2 nr)

33 yes, details nr

\_\_\_\_\_

type: numeric (long)

label: community\_awareness

range: [1,1] units: 1 unique values: 1 missing .: 0/138

tabulation: Freq. Numeric Label

138 1 nr

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id\_activities Costed activities

type: string (str146), but longest is str130

unique values: 19 missing "": 0/138

examples: "adherence support; clinical monitoring; ART

administration"

"adherence support; clinical monitoring; ART

administration; supportive care"

"clinical monitoring; ART administration"

"clinical monitoring; ART administration; supportive

care"

warning: variable has leading and embedded blanks

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start\_month Start Month

type: numeric (byte)

label: non\_standard, but 5 nonmissing values are not labeled

range: [1,99] units: 1
unique values: 7 missing .: 41/138

tabulation: Freq. Numeric Label

41

48 1 1 2 15 4 1 7 2 8 6 88 Open 24 99 Mixed

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start\_year Start Year

type: numeric (int)

label: non\_standard, but 8 nonmissing values are not labeled

range: [88,2011] units: 1

unique values: 10 \_\_\_ missing .: 45/138

examples: 99 Mixed

2005 2009

\_\_

\_\_\_\_\_

end\_month End Month

type: numeric (byte)

label: non\_standard, but 6 nonmissing values are not labeled

range: [1,99] units: 1 unique values: 8 missing .: 49/138

tabulation: Freq. Numeric Label
9 1
1 2
15 3
1 6
2 7
31 12

6 88 Open 24 99 Mixed

end\_year End Yea

type: numeric (int)

label: non\_standard, but 7 nonmissing values are not labeled

range: [88,2011] units: 1 unique values: 9 missing .: 45/138

tabulation: Freq. Numeric Label

88 Open 24 Mixed 20 2005 2 2006 2007 9 14 2008 4 2009 7 2010

2011

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period\_portrayed Total Months

type: numeric (double)

7

label: non\_standard, but 10 nonmissing values are not labeled

range: [6,288] units: 1.000e-07

unique values: 11 missing .: 2/138

examples: 12

year\_intro

Year introduced at study site

type: string (str9), but longest is str4

unique values: 5 missing "": 119/138

tabulation: Freq. Value

119

10 "2003"

1 "2005"

2 "2006" 1 "2007"

5 "99"

coverage Coverage \_\_\_\_\_

type: numeric (byte)

range: [.,.] units: .

unique values: 0 missing .: 138/138

tabulation: Freq. Value

138

id\_pop\_dem\_std

Target group (demographic)

type: numeric (long) label: id\_pop\_dem\_std

range: [1,2]

units: 1 unique values: 2 missing .: 0/138

tabulation: Freq. Numeric Label

1 adults 87 2 general populations

id\_pop\_clin\_std Target group (clinical) \_\_\_\_\_

> type: numeric (long) label: id\_pop\_clin\_std

range: [1,1] units: 1

unique values: 1 missing .: 135/138

Average Age pop\_age type: string (str31) missing "": 0/138 unique values: 20 "31-34 (depending on care phase)" examples: "35.14" "43" "NR" warning: variable has embedded blanks type: numeric (long) label: pop\_sex, but 1 nonmissing value is not labeled range: [1,32] units: 1 missing .: 0/138 unique values: 31 examples: 1 2 . 4 52% female 70% women pop\_ses type: string (str25) missing "": 0/138 unique values: 5 tabulation: Freq. Value "63% earning" 2 "64.8% above middle income" 8 "70% worked in agriculture" 1 "84.1% farmers" 125 "NR" warning: variable has embedded blanks pop\_education Education

Numeric Label

1 hiv positive

tabulation: Freq.

3 135 -----

type: string (str93)

unique values: 14 missing "": 0/138

examples: "31%; 10%; 25% (primary or less)

53%; 52%; 50%

(preporatory or less)

16%; 38% 17% (higher ed.)"

"NR" "NR" "NR"

warning: variable has embedded blanks

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hiv\_prev HIV Prevalence

type: string (str17)

unique values: 6 missing "": 0/138

tabulation: Freq. Value

2 ".003" 13 ".0045"

20 ".166666666666667"

2 ".37" 99 "NR"

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tb\_prev TB Prevalence

type: string (str3)

unique values: 2 missing "": 0/138

tabulation: Freq. Value

67 "N/A" 71 "NR"

\_\_\_\_\_\_

tb\_rx\_resistance TB Drug Resistance

type: numeric (long)

label: tb\_rx\_resistance, but 1 nonmissing value is not labeled

range: [1,2] units: 1 unique values: 2 missing .: 0/138

tabulation: Freq. Numeric Label

88 1 . 50 2 N/A

\_\_\_\_\_

costing\_purpose Costing Purpose

type: string (str233)

unique values: 23 missing "": 0/138

examples: "To assess the options and limitations of costs

reduction, improving access, and scaling up services"
"To determine whether the benefits from laboratory
monitoring are large enough to justify the associated

extra cost"

"To inform ART costs specifically in high CD4+ count

(>350) individuals"

"To provide multi-national ART cost data for

investment planning and model inputs"

warning: variable has embedded and trailing blanks

timing Timing

type: numeric (long)

label: timing

range: [1,3] units: 1 unique values: 3 missing .: 0/138

tabulation: Freq. Numeric Label

1 1 Cross-sectional 95 2 cross-sectional 42 3 longitudinal

\_\_\_\_\_

country\_sampling Country Sampling

type: numeric (long)
label: country\_sampling

range: [1,2] units: 1 unique values: 2 missing .: 26/138

tabulation: Freq. Numeric Label

104 1 N/A

8 2 purposive

26

geo\_sampling\_incountry Geographic Area In Country Sampling

geo\_sampling\_incountry designabile area in country sampling

type: numeric (long)

label: geo\_sampling\_incountry

range: [1,5] units: 1 unique values: 4 missing .: 74/138

tabulation: Freq. Numeric Label

33 1 N/A

5 3 convenience 21 4 purposive 5 5 random

74 .

site\_sampling Site Sampling

- 1 0

type: numeric (long)
label: site\_sampling

range: [1,6] units: 1

unique values: 5 missing .: 63/138

tabulation: Freq. Numeric Label

24 1 N/A

8 3 convenience 8 4 entire program 30 5 purposive 5 6 random

63

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px\_sampling Patient Sampling

type: numeric (long)
label: px\_sampling

range: [1,4] units: 1
unique values: 4 missing .: 27/138

tabulation: Freq. Numeric Label

2 1 N/A

55 2 convenience 34 3 entire program

20 4 random

27

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 ${\tt sample\_size\_derived}$ 

Sample size formally derived

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type: numeric (long)
label: sample\_size\_derived

range: [1,2] units: 1 unique values: 2 missing .: 91/138

tabulation: Freq. Numeric Label 27 1 no 20 2 yes

91

\_\_\_\_\_

controls

type: numeric (long)
label: controls

range: [1,2] units: 1
unique values: 2 missing .: 77/138

tabulation: Freq. Numeric Label

37 1 no 24 2 yes 77 .

econ\_perspective\_actual

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Perspective

type: numeric (long)

label: econ\_perspective\_actual

range: [1,3] units: 1
unique values: 3 missing .: 0/138

tabulation: Freq. Numeric Label

2 1 patient 134 2 provider 2 3 society

\_\_\_\_\_\_

type: numeric (long)
label: econ\_costing

range: [1,2] units: 1 unique values: 2 missing .: 0/138

tabulation: Freq. Numeric Label

93 1 economic

45 2 financial only

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real\_world Real World / Per Protocol

type: numeric (long)
label: real\_world

range: [2,3] units: 1 unique values: 2 missing .: 0/138

tabulation: Freq. Numeric Label

28 2 per protocol 110 3 real world

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asd\_costs Above Service Costs Included

type: numeric (long)
label: asd\_costs

range: [1,4] units: 1
unique values: 4 missing .: 26/138

> 99 2 no costs included 3 not included

9 4 some costs included

26

list\_asd\_costs Above Service Cost List

type: string (str103)

unique values: 5 missing "": 51/138

tabulation: Freq. Value

51 ""

8 "ART storage at a central facility"

1 "Laboratory investigations are requested by providers in the health unit, but

done in a central facility"

1 "N/A"

2 "None"

(75) ("none")

warning: variable has embedded blanks

omitted\_costs Omitted Costs

type: string (str202), but longest is str150

unique values: 12 missing "": 0/138

examples: "Building/space, Patient costs"

"Patient costs"
"Patient costs"

"Service delivery personnel, Patient costs"

warning: variable has embedded blanks

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sensitivity\_analysis Sensitivity Analysis

type: numeric (long)
label: sensitivity\_analysis

range: [1,3] units: 1 unique values: 3 missing .: 2/138

tabulation: Freq. Numeric Label

38 1 comprehensive

16 2 limited 82 3 none

2

scale Economies of scale

\_\_\_\_\_

type: numeric (long)

label: scale

range: [1,3] units: 1 unique values: 3 missing .: 0/138

tabulation: Freq. Numeric Label

18 1 analyzed 43 2 discussed 77 3 ignored

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research\_costs Research Costs Included

type: numeric (long)
label: research\_costs

range: [1,1] units: 1

unique values: 1 missing .: 88/138

tabulation: Freq. Numeric Label

50 1 excluded

88

\_\_\_\_\_\_

unrelated\_costs

Unrelated Costs Included

type: numeric (long)
label: unrelated\_costs

range: [1,2] units: 1 unique values: 2 missing .: 86/138

tabulation: Freq. Numeric Label

(1) no

2 no costs included

-----

overhead

Overhead Costs Included

type: numeric (long)

label: overhead, but 1 nonmissing value is not labeled

range: [1,4] units: 1 unique values: 4 missing .: 0/138

tabulation: Freq. Numeric Label

3 1 .
5 2 no
2 3 partial
128 4 yes

\_\_\_\_\_\_

overhead\_costs Overhead Costs List

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type: string (str164)

unique values: 21 missing "": 4/138

examples: "UNCLEAR. The unit cost of "hospital stay" probably

includes overhead (because it's roughly 10x the cost

of one physician consultation)."

"administrative and operational costs: utilities, office supplies, rentals, repairs, annual capital

costs"

"infrastructure, equipment and furnishings, data

capture, programme management"

"rent, electricity, water, office supplies,

motorcycle maintenance and fuel, ART storage, adminsitrative staff, vehicle maintenance"

warning: variable has embedded and trailing blanks

pot\_distortions

Potential distortions

type: string (str319)

missing "": 0/138 unique values: 3

tabulation: Freq. Value

> "AIDS treatment expense data were from county-level hospitals, which were usually second-level hospitals. Thus,

the results are likely to have underestimated the costs of hospital care compared with the highest-level hospitals in cities and overestimate the costs compared with town- ship hospitals

and village clinics. "

"NR" 129

8 "research setting (RCT)"

warning: variable has embedded and trailing blanks

Valuing Volunteer Time volunteer\_time

> type: numeric (long) label: volunteer\_time

range: [1,1] units: 1

unique values: 1 missing .: 124/138

tabulation: Freq. Numeric Label

14 1 N/A

124

family\_time Valuing Family Time

type: numeric (long) label: family\_time

range: [1,3] units: 1 unique values: 3 missing .: 56/138

tabulation: Freq. Numeric Label

1 N/A 78

```
2 interview
```

2 3 local paid income

56

#### px\_costs\_measured

Patient-Incurred Costs Measured

type: numeric (long)

label: px\_costs\_measured, but 1 nonmissing value is not labeled

units: 1 range: [1,3] unique values: 3 missing .: 0/138

tabulation: Freq. Numeric Label

42 1.

6 2 included 90 3 not included

-----

cat\_cost

Catastrophic Cost Calculated \_\_\_\_\_

type: numeric (long)

label: cat\_cost, but 1 nonmissing value is not labeled

range: [1,5] units: 1 unique values: 4 missing .: 0/138

tabulation: Freq. Numeric Label

> 47 1 .

73 2 N/A

16 4 none

2 5 yes

## currency\_yr

Reported Currency Year

type: numeric (int)

units: 1 range: [2002,2012] unique values: 9 missing .: 0/138

tabulation: Freq. Value

5 2002

1 2004

22 2006

6 2007

6 2008

43 2009

28 2010

16 2011

11 2012

iso\_code Reported Currency

\_\_\_\_\_\_

type: numeric (long)

label: iso\_code

range: [1,3] units: 1 unique values: 2 missing .: 0/138

Numeric Label tabulation: Freq.

1 BRL 137 3 USD

Currency of Data Collection currency\_iso -----

> type: numeric (long) label: currency\_iso

range: [1,19] units: 1 unique values: 18 missing .: 0/138

examples: 7 IDR

12 NR 15 USD 18 ZAR

Currency Exchange Method currency\_x

> type: numeric (long) label: currency\_x

range: [1,2] units: 1 unique values: 2 missing .: 19/138

tabulation: Freq. Numeric Label 1 N/A

113 2 market only

19

Currency Exchange Rate current\_x\_rate -----

type: numeric (double)

range: [6.8,20828] units: .01 unique values: 15 missing .: 55/138 mean: 3994.82 std. dev: 7114.68

percentiles: 10% 25% 50% 75% 90%

6.8 7 72.2 4861 18462

Ni name nata

discount\_rate Discount Rate

type: string (str4)

unique values: 9 missing "": 56/138

tabulation: Freq. Value

56 ""

15 ".03"

4 ".035"

2 ".05"

9 ".07" 2 ".08"

8 "0"

35 "3"

3 "N/A"

4 "none"

inflation Inflation rate

type: numeric (long)
label: inflation

range: [1,3] units: 1 unique values: 3 missing .: 0/138

tabulation: Freq. Numeric Label

1 1 .03 16 2 N/A 121 3 NR

-----

mean\_cost Mean Unit Cost

type: numeric (double)

range: [9.6090115,8502.0885] units: 1.000e-07

unique values: 137 missing .: 0/138

mean: 1036.2 std. dev: 1387.09

percentiles: 10% 25% 50% 75% 90%

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Personnel (SI) si\_personnel

type: numeric (double)

range: [1.1647286,1133.9703] units: 1.000e-15

unique values: 56 missing .: 78/138

mean: 87.9146 std. dev: 154.62

percentiles:

 10%
 25%
 50%
 75%
 90%

 13.5313
 24.0171
 56.577
 80.2195
 174.714

Personnel: Direct Service Delivery (SI) si\_per\_service\_delivery \_\_\_\_\_

type: numeric (double)

units: 1.000e-15 range: [10.00049,1133.9703]

unique values: 48 missing .: 86/138

mean: 90.7422 std. dev: 161.797

percentiles: 10% 25% 50% 75% 90%

14.8589 30.95 56.694 84.1191 128.128

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Personnel: Support (SI) si\_per\_support

type: numeric (double)

units: 1.000e-07 range: [0,21.88288]

missing .: 127/138 unique values: 9

tabulation: Freq. Value

1 .111416

1 .22283199

1 .33424801

1 .77991199

1 1.002744

1 1.1141601

1 8.9683027

1 21.88288

\_\_\_\_\_\_\_\_\_\_\_

type: numeric (double)

range: [1.1647286,267.45621] units: 1.000e-12 missing .: 128/138 unique values: 10

mean: 52.1861 std. dev: 78.8

percentiles: 10% 25% 50% 75% 90%

1.82798 2.97653 33.0142 55.0011 162.307

\_\_\_\_\_

si\_recurrent Recurrent Goods (SI)

type: numeric (double)

range: [3.7961527,6062.1812] units: 1.000e-16 unique values: 99 missing .: 32/138

mean: 654.332 std. dev: 1085.01

 
 10%
 25%
 50%
 75%
 90%

 112.4
 165.843
 282.44
 789.64
 1164.7
 percentiles:

----si\_rec\_key\_drugs Recurring: Supplies (key drugs) (SI)

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type: numeric (double)

range: [3.5804622,6062.1812] units: 1.000e-08 unique values: 92 missing .: 32/138

mean: 620.322 std. dev: 1088.47

10% 25% 50% 75% 90% percentiles:

105.981 132.585 198.705 789.301 1015.62

si\_rec\_med\_int\_supplies Recurring: Medical Supplies (excluding drugs) (SI)

type: numeric (double)

units: 1.000e-08 range: [0,249.19847] missing .: 62/138 unique values: 62

mean: 42.602

std. dev: 47.9048

25% 50% 75% 90% percentiles: 10%

.471737 8.69697 21.1789 55.9224 105.845

Recurring: Non-medical Supplies (SI) si\_rec\_nonmed\_int\_supplies

type: numeric (double)

[24.355772,56.258076] units: 1.000e-06 range:

unique values: missing .: 129/138

tabulation: Freq. Value

1 24.355772 2 29.650503 1 30.70945 3 33.886289 1 37.063129 1 56.258076

129 .

si\_rec\_building\_space Recurring: Building Space (SI)

type: numeric (double)

range: [3.1768396,12.707358] units: 1.000e-07 unique values: 4 missing .: 130/138

tabulation: Freq. Value

2 3.1768396 1 4.2357864 4 8.4715729 1 12.707358

130 .

Recurring: Other (SI) si\_rec\_other

.\_\_\_\_\_

type: numeric (double)

units: 1.000e-08 range: [.21569049,.26961312] unique values: 3 missing .: 135/138

tabulation: Freq. Value

1 .21569049 1 .22647502

1 .26961312

Capital (SI) si\_capital \_\_\_\_\_\_ type: numeric (double) range: [0,11.648412] units: 1.000e-07 missing .: 125/138 unique values: 6 tabulation: Freq. Value 3 0 5 2.1178932 1 2.8255455 1 4.1089039 1 7.2903385 2 11.648412 125 . si\_cap\_medical\_equip Capital: Equipment (medical) (SI) \_\_\_\_\_\_ type: numeric (float) range: [.,.] units: . unique values: 0 missing .: 138/138 tabulation: Freq. Value 138 . si\_cap\_nonmed\_equip Capital: Equipment (non-medical) (SI) type: numeric (float) range: [.,.] units: . unique values: 0 missing .: 138/138

tabulation: Freq. Value

138 .

si\_cap\_build Capital: Building/space (SI)

type: numeric (float)

range: [.,.] units: .

unique values: 0 missing .: 138/138

tabulation: Freq. Value

-----

si\_cap\_vehicles Capital: Vehicles (SI)

type: numeric (double)

range: [0,1.0589466] units: 1.000e-07 unique values: 2 missing .: 130/138

tabulation: Freq. Value

5 1.0589466

130 .

-----

si\_cap\_other Capital: Other (SI)

type: numeric (double)

range: [0,11.648412] units: 1.000e-07 unique values: 6 missing .: 125/138

tabulation: Freq. Value

3 0

5 1.0589466 1 2.8255455 1 4.1089039 1 7.2903385 2 11.648412

125 .

si\_mixed Mixed (SI)

si\_mixed Mixed (SI

type: numeric (double)

range: [8.9132805,1205.3613] units: 1.000e-15 unique values: 93 missing .: 35/138

mean: 222.385 std. dev: 200.607

percentiles: 10% 25% 50% 75% 90%

28.9682 59.3149 166.082 312.355 547.482

si\_pdm (Patient) Direct, Medical (SI)

(Tableto, Marian (B))

type: numeric (double)

range: [2.4215844,2.6417284] units: 1.000e-07

unique values: 2 missing .: 136/138

tabulation: Freq. Value

1 2.4215844 1 2.6417284

136 .

------

si\_pdm\_pat\_fees (Patient) Direct, Medical: Patient Fees (SI)

type: numeric (double)

range: [2.4215844,2.6417284] units: 1.000e-07 unique values: 2 missing .: 136/138

tabulation: Freq. Value

1 2.4215844 1 2.6417284

136 .

\_\_\_\_\_

(Patient) Direct, Medical: Tests (SI) si\_pdm\_pat\_tests

type: numeric (float)

range: [.,.] units: .

unique values: 0 missing .: 138/138

tabulation: Freq. Value

138 .

(Patient) Direct, Medical: Non-TB drugs (SI) si\_pdm\_pat\_tb\_drugs

type: numeric (float)

range: [.,.] units: .

unique values: 0 missing .: 138/138

tabulation: Freq. Value

138 .

si\_pdm\_pat\_non\_tb\_drugs (Patient) Direct, Medical: Non-TB drugs (SI) \_\_\_\_\_\_

type: numeric (float)

range: [.,.] units: .

unique values: 0 missing .: 138/138 tabulation: Freq. Value

138 .

\_\_\_\_\_

si\_pdm\_mix (Patient) Direct, Mixed: Mixed (SI)

\_\_\_\_\_

type: numeric (float)

range: [.,.] units: .

unique values: 0 missing .: 138/138

tabulation: Freq. Value

138 .

\_\_\_\_\_\_

type: numeric (double)

range: [5.1733851,6.4942493] units: 1.000e-07 unique values: 2 missing .: 136/138

tabulation: Freq. Value

1 5.1733851 1 6.4942493

136

-----

si\_pdn\_\_patient\_\_transport (Patient) Direct, Non-medical: Transport (SI)

\_\_\_\_\_\_

type: numeric (double)

range: [5.1733851,6.4942493] units: 1.000e-07 unique values: 2 missing :: 136/138

tabulation: Freq. Value

5.17338516.4942493

136 .

-----

si\_pdn\_accomodation (Patient) Direct, Non-medical: Accomodation (SI)

type: numeric (float)

range: [.,.] units: .

unique values: 0 missing .: 138/138

tabulation: Freq. Value

\_\_\_\_\_\_

-----

si\_pdn\_supplements

(Patient) Direct, Non-medical: Supplements (SI)

type: numeric (float)

range: [.,.] units: .

unique values: 0 missing .: 138/138

tabulation: Freq. Value

138 .

-----

si\_pia (Patient) Indirect, Access (SI)

type: numeric (double)

range: [1.2107922,3.5223045] units: 1.000e-07 unique values: 2 missing .: 136/138

tabulation: Freq. Value

1 1.2107922 1 3.5223045

136 .

si\_pia\_pat\_productivity (Patient) Indirect, Access: Productivity loss

si\_pia\_pat\_productivity (Patient) In (mixed) (SI)

\_\_\_\_\_\_

type: numeric (double)

range: [1.2107922,3.5223045] units: 1.000e-07 unique values: 2 missing .: 136/138

tabulation: Freq. Value

1 1.2107922 1 3.5223045

136 .

si\_pia\_prod\_loss\_trans (Patient) Indirect, Access: Productivity loss

(transport) (SI)

\_\_\_\_\_\_

type: numeric (float)

range: [.,.] units: .

unique values: 0 missing .: 138/138

tabulation: Freq. Value

si\_pia\_prod\_loss\_visits (Patient) Indirect, Access: Productivity loss

(visits) (SI)

type: numeric (float)

units: . range: [.,.]

unique values: 0 missing .: 138/138

tabulation: Freq. Value

138 .

si\_pia\_prod\_loss\_access\_mix (Patient) Indirect, Access: Productivity loss

(access: mixed) (SI)

type: numeric (float)

range: [.,.] units: .

unique values: 0 missing .: 138/138

tabulation: Freq. Value

138 .

si\_pia\_prod\_loss\_illness (Patient) Indirect, Access: Productivity loss

(illness) (SI)

type: numeric (float)

range: [.,.] units: .

unique values: 0 missing .: 138/138

tabulation: Freq. Value

138 .

si\_pmx Patient Mixed (SI)

\_\_\_\_\_\_

type: numeric (double)

range: [10.566914,12.107923] units: 1.000e-06 unique values: 2 missing .: 136/138

tabulation: Freq. Value 1 10.566914

1 12.107923

-----

si\_pmx\_pat\_mixed (Patient) Mixed: Mixed (SI)

type: numeric (double)

range: [10.566914,12.107923] units: 1.000e-06 unique values: 2 missing .: 136/138

tabulation: Freq. Value

1 10.566914 1 12.107923

136 .

\_\_\_\_\_

a\_primary\_sd Primary Service Delivery (A)

type: numeric (double)

range: [6.5569911,6565.2885] units: 1.000e-14 unique values: 102 missing :: 32/138

mean: 830.854 std. dev: 1182.73

percentiles: 10% 25% 50% 75% 90%

157.893 264.373 404.087 1007.38 1258.49

a\_prisd\_arv\_delivery Primary SD: ARV Delivery (A)

type: numeric (double)

range: [6.5569911,6062.1812] units: 1.000e-15 unique values: 101 missing .: 32/138

mean: 649.089 std. dev: 1078.99

percentiles: 10% 25% 50% 75% 90%

116.987 162.946 273.666 789.301 1015.62

-----

a\_prisd\_lab\_monitoring Primary SD: Routine Lab Monitoring (A)

type: numeric (double)

range: [6.0621727,403.45865] units: 1.000e-15 unique values: 82 missing .: 45/138

mean: 109.889

std. dev: 98.0788

percentiles: 10% 25% 50% 75% 90%

16.1768 37.6446 71.2716 169.31 269.627

-----

a\_prisd\_unspecified Primary SD: Unspecified (A)

type: numeric (double)

range: [.20059216,1133.9703] units: 1.000e-14

unique values: 70 missing .: 59/138

mean: 114.524 std. dev: 129.842

percentiles: 10% 25% 50% 75% 90%

29.5252 55.708 101.873 139.191 183.787

\_\_\_\_\_

a\_secondary\_sd Secondary Service Delivery (A)

type: numeric (double)

range: [24.893332,738.93889] units: 1.000e-07

unique values: 10 missing .: 123/138

mean: 177.663 std. dev: 165.352

percentiles: 10% 25% 50% 75% 90%

40.6154 115.873 162.883 162.883 271.206

-----

a\_secsd\_unspecified Secondary SD: Unspecified (A)

-----

type: numeric (double)

range: [24.893332,738.93889] units: 1.000e-07

unique values: 10 missing .: 123/138

mean: 177.663 std. dev: 165.352

percentiles: 10% 25% 50% 75% 90%

40.6154 115.873 162.883 162.883 271.206

-----

a\_ancillary Ancillary (A

------

type: numeric (double)

range: [0,249.19847] units: 1.000e-09 unique values: 51 missing .: 73/138

mean: 39.6603 std. dev: 48.6092

10% percentiles: 25% 50% 75% 90%

.471737 4.91345 25.4147 51.7338 85.6192

Ancillary: Demand Generation (A) a\_anc\_demand\_generation ------

type: numeric (float)

range: [.,.] units: .

unique values: 0 missing .: 138/138

tabulation: Freq. Value

138 .

a\_anc\_lab\_services Ancillary: Lab Services (A)

type: numeric (double)

range: [10.027441,17.82656] units: 1.000e-08 unique values: 2 missing .: 136/138

tabulation: Freq. Value

1 10.027441 1 17.82656

Ancillary (A): Adherence/retention (A) a\_anc\_adherence\_retention

type: numeric (double)

range: [1.4882644,66.389229] units: 1.000e-09

unique values: 15 missing .: 114/138

mean: 27.8304 std. dev: 24.4292

10% 25% 50% 75% 90% percentiles:

> 5.29473 9.20416 16.445 52.2557 66.3892

a\_anc\_unspecified Ancillary: Unspecified (A)

type: numeric (double)

range: [0,249.19847] units: 1.000e-09

unique values: 38 missing .: 88/138

mean: 37.6427 std. dev: 51.2069

percentiles:

10% 25% 50% 75% 90% .279414 4.91345 19.23 48.365 90.3568

a\_mix\_mixed (sum) a\_mix\_mixed

type: numeric (double)

range: [.21569049,267.45621] units: 1.000e-08

unique values: 10 missing .: 128/138

mean: 44.4929 std. dev: 81.111

25% 50% 75% 90% percentiles: 10%

.221083 .269613 14.7255 55.0011 162.307

Operational (A) a\_operational

type: numeric (double)

range: [0,284.37436] units: 1.000e-07

unique values: 58 missing .: 63/138

mean: 51.0355 std. dev: 51.4579

10% 25% 50% 75% 90% percentiles:

7.29034 23.3974 36.6674 65.7354 100.972

Operational: Buildings and Equipment (A) a\_ope\_bldg\_equip

type: numeric (double)

range: [3.1768396,10.589466] units: 1.000e-07

unique values: 3 missing .: 130/138

tabulation: Freq. Value

3 3.1768396

4 6.3536792

1 10.589466

130 .

type: numeric (double)

\_\_\_\_\_

range: [0,26.326763] units: 1.000e-07

unique values: 4 missing .: 124/138

tabulation: Freq. Value

2 0

5 1.05894661 2.11789326 26.326763

124 .

\_\_\_\_\_

type: numeric (double)

range: [5.44295,5.44295] units: .00001 unique values: 1 missing .: 137/138

tabulation: Freq. Value

1 5.4429498

137 .

\_\_\_\_\_\_

type: numeric (double)

range: [95.762054,95.762054] units: 1

unique values: 1 missing .: 135/138

tabulation: Freq. Value

3 95.762054

135 .

type: numeric (double)

range: [0,24.801201] units: 1.000e-07 unique values: 5 missing .: 129/138

tabulation: Freq. Value

1 1.3747034 2 5.6933575 2 17.068932 2 24.801201

129 .

a\_ope\_transportation Operational: Transportation (A)

type: numeric (double)

units: 1.000e-07 [3.1768398,95.305191] unique values: 9 missing .: 124/138

tabulation: Freq. Value

2 3.1768398

1 4.2357862 1 5.5036011

4 7.4126258

1 7.7050414

2 9.9064817

1 11.648413

1 86.833618 1 95.305191

124 .

Operational: Mass Education (A) a\_ope\_massed

type: numeric (float)

range: [.,.] units: .

unique values: 0 missing .: 138/138

tabulation: Freq. Value

138

a\_ope\_hmis Operational: HMIS and Record-Keeping (A)

type: numeric (float)

range: [.,.] units: .

unique values: 0 missing .: 138/138

tabulation: Freq. Value

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\_\_\_\_\_\_

a\_ope\_unspecified

Operational: Unspecified (A)

type: numeric (double)

range: [2.8255455,284.37436] units: 1.000e-10

unique values: 51 missing .: 80/138

mean: 51.0426 std. dev: 53.4979

percentiles: 10% 25% 50% 75% 90%

8.91328 23.3974 40.5633 62.393 95.5293

-----

a\_mixed Mixed (A)

type: numeric (double)

range: [.21569049,267.45621] units: 1.000e-08

unique values: 10 missing .: 128/138

mean: 44.4929 std. dev: 81.111

percentiles: 10% 25% 50% 75% 90%

.221083 .269613 14.7255 55.0011 162.307