

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

disease	Disease
---------	---------

type: string (str3)

unique values: 1 missing "": 0/163

tabulation:	Freq.	Value
	163	"HIV"

collapsed	Collapsed
-----------	-----------

type: string (str3), but longest is str2

unique values: 1 missing "": 0/163

tabulation:	Freq.	Value
	163	"No"

lead_author	Lead Author
-------------	-------------

type: string (str21)

unique values: 25 missing "": 0/163

examples: "Chang, W"
"Maheswaran, H"
"Nguyen, VT"

"Obure, CD"

warning: variable has embedded blanks

ref_year	Reference Year
----------	----------------

type: numeric (int)

range: [1997,2016] units: 1
unique values: 12 missing .: 0/163


mean: 2012
std. dev: 3.95967

percentiles: 10% 25% 50% 75% 90%
 2007 2010 2012 2016 2016

output_unit2	Output unit
--------------	-------------

type: string (str20)

unique values: 4 missing "": 0/163

tabulation: Freq. Value 

150	"."
1	"Cost Per Person Year"
4	"Patient Visit"
8	"Per Visit"

warning: variable has embedded blanks

title	Title
-------	-------

type: string (str167)

unique values: 25 missing "": 0/163

examples: "Cost and quality of life analysis of HIV self-testing and facility-based HIV testing and counselling in Blantyre, Malawi "
"Expenditure Analysis of HIV Testing and Counseling Services Using the Cascade Framework in Vietnam"
"Optimising the cost and delivery of HIV counselling and testing services in Kenya and Swaziland"
"Optimising the cost and delivery of HIV counselling and testing services in Kenya and Swaziland"

warning: variable has embedded and trailing blanks

journal_etc	Journal
-------------	---------

```

type: string (str57)

unique values: 25                missing "": 0/163

examples: "BMC Med. 2016 Feb 19;14:34"
          "J Acquir Immune Defic Syndr. 2010 Jul;54(3):317-23"
          "Rural Remote Health. 2015 Oct-Dec;15(4):3357"
          "Sex Transm Infect. 2012 Nov; 88(7): 498503"

warning: variable has embedded blanks

```

url	URL
-----	-----

```

type: string (str91)

unique values: 25                missing "": 0/163

examples: "<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC359549
          8/>."
          "<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC505152
          8/>."
          "<https://www.ncbi.nlm.nih.gov/pubmed/20453819>."
          "<https://www.ncbi.nlm.nih.gov/pubmed/26572854>."

```

iso_name	Country
----------	---------

```

type: string (str14)

unique values: 16                missing "": 0/163

examples: "Kenya"
          "Malawi"
          "South Africa"
          "Swaziland"

warning: variable has embedded blanks

```

location	Location
----------	----------

```

type: string (str107)

unique values: 27                missing "": 0/163

```

```
examples: "."
           "."
           "Blantyre"
           "KwaZulu Natal province"
```

```
warning: variable has leading, embedded, and trailing blanks
```

```
no_sitesSites
```

```

type: string (str5)

unique values: 19missing "": 0/163

examples: "1"
           "1"
           "34"
           "56"
```

```
pop_densityUrbanicity
```

```

type: string (str7)

unique values: 3missing "": 0/163

tabulation: Freq. Value
              86 "Mixture"
              36 "Rural"
              41 "Urban"
```

```
ownershipOwnership
```

```

type: string (str17)

unique values: 4missing "": 0/163

tabulation: Freq. Value
              8 "In-Country Ngo"
             16 "International Ngo"
            115 "Mixed"
             24 "Public"
```

```
warning: variable has embedded blanks
```

```
platformPlatform
```

```
type: string (str15)
```

unique values: 4 missing "": 0/163

tabulation: Freq. Value
15 "."
4 "Community Based"
119 "Fixed Facility"
25 "Outreach"

warning: variable has embedded blanks

facility_cat Platform specificity

type: string (str68)

unique values: 14 missing "": 0/163

examples: "Clinic At Hospital (Intervention- Or
Disease-Specific)"
"Health Center (E.G. Community Health Clinic -
Sometimes W/ 1-2 Beds)"
"Hospital - Primary (District)"
"Mix Of Health Care Facility Types"

warning: variable has embedded blanks

id_class Intervention Category

type: string (str7)

unique values: 1 missing "": 0/163

tabulation: Freq. Value
163 "Testing"

id_int Intervention

type: string (str26)

unique values: 2 missing "": 0/163

tabulation: Freq. Value
159 "HCT"
4 "HIV COUNSELING AND TESTING"



warning: variable has embedded blanks

type: string (strL)

unique values: 40

missing "": 0/163

examples: "At the 17 VCTCs studied in Andhra Pradesh, 36 272 persons received HIV pre-test counselling during the 2002 03 fiscal year, of whom 35 844 (98.8%) underwent an HIV test. Of the persons tested, 32 413 (90.4%) received post-test counselling. HIV infection was detected in 6866 (19.2%) of the persons tested, of whom 6638 (96.7%) received post-test counselling. The number of persons receiving post-test counselling at each VCTC in the 200203 fiscal year varied widely from 334 to 7802 (median 979), and the percentage of HIV-positive persons also varied widely between VCTCs from 5.4% to 52.6% (median 22%). The overall HIV-positivity rate in post-test counselled clients was 20.5%.

All VCTCs used a similar testing protocol

and fee structure. HIV testing was done with rapid test kits. If the first test was positive, two more types of rapid tests were performed to confirm the positive result. The result was certified by the medical officer at the VCTC and handed over to the client usually on the day after pre- test counselling and blood sample collection. The fee charged for the HIV test was a nominal Rs 10 (US\$ 0.21). This fee was waived if the medical officer assessed the client to be very poor and unable to afford this, which was done for 0%45% of clients in various VCTCs."

"In a typical site, clients passed through several SDPs, namely the Heart 2 Heart centre (HTC unit)which is the entry point in the ART program, the antenatal clinicwhich is the entry point for HIV-positive pregnant women, the ART patient monitoring and management unit, the ART clinic, the ART laboratory, the ART pharmacy, and the ART adherence counseling."

"The study area included three high-density urban sub- urbs of Blantyre, Malawi with an adult population of approximately 34,000 residents and adult HIV prevalence of 18 % . Twenty-eight clusters of approximately 1,200 adults were randomised to either HIVST or standard-of- care (control). In all clusters, participants could access HTC at the health facilities by self-presenting or after referral by medical personnel. In the 14 intervention HIVST clusters, resident volunteer counsellors promoted HIVST and provided pre- and post-test counselling, as well as directions on how to use the self-test kits. Participants could self-test in the privacy of their

own homes. Routine and confirmatory HIV testing and care services were available at Queen Elizabeth Central Hospital (QECH), and two primary health clinics located in the study area (Ndirande Health Centre, Chilomoni Health Centre). HIVST was provided for a two-year period, with the service introduced from February to May 2012. From the onset of intervention in seven HIVST clusters, and from January 2013 in all HIVST clusters, participants could also request home-based assessment and initiation of 14 days of HIV care, including ART if eligible. Subsequent care was provided at the primary care level"

"VCT refers to the client-initiated counselling and testing for HIV through VCT centres, while PITC involves the incorporation of HCT into routine healthcare, including general primary care, maternal and child healthcare, care for sexually transmitted infections and inpatient services. Both VCT and PITC services are offered in Kenya and Swaziland, and follow similar testing procedures in both countries.

There are, however, several differences

between the PITC and VCT models, which have associated resource implications. While PITC services are routinely offered to all clients attending services, regardless of their reason for accessing services, VCT is dependent upon clients seeking testing. Within VCT, counselling and testing is provided by a lay VCT counsellor or a nurse. For PITC, pre- and post-test counselling is provided by a nurse, and testing is conducted either by the same nurse or provided by a laboratory technologist or a lay counsellor. VCT generally involves one-on-one or couples counselling, while for PITC pre- test counselling may be provided to groups. PITC may also involve much less post-test counselling than VCT, and thus, requires a shorter length of staff time for each visit."

warning: variable has leading, embedded, and trailing blanks

clinical_monitoring

Clinical monitoring

type: string (str3), but longest is str1

unique values: 1 missing "": 0/163

tabulation: Freq. Value
163 "."

demand_generation

Demand generation

```
type: string (str154)

unique values: 10                missing "": 0/163

examples: ". "
           ". "
           ". "
           ". "

warning: variable has leading, embedded, and trailing blanks
```

counseling_content

Counseling content

```
type: string (str201)

unique values: 13                missing "": 0/163

examples: "Counseling Provided - Content Nr"
           "Pre-Test Counseling, Post-Test Counseling"
           "Pre-Test Counseling, Post-Test Counseling"
           "Pre-Test Counseling, Post-Test Counseling"

warning: variable has leading and embedded blanks
```

staff_type

Staff type & number

```
type: string (str205)

unique values: 21                missing "": 0/163

examples: "Counselor (Nr)"
           "Doctors (Nr), Nurses (Nr), Clinical Officer (Nr),
           Counselor (Nr), Social Workers (Nr), Community Health
           Workers (Nr), Peer Educators (Nr), Laboratory
           Technicians (Nr), Pharmacists (Nr), And Volunteers
           (Nr)"
           "Nurses (Nr), Laboratory Technologist (Nr), Lay
           Counselor (Nr)"
           "Physician (65), Nurse (76)"


warning: variable has embedded blanks
```

supportive_care

Supportive care

```
type: string (str85)
```


unique values: 5 missing "": 0/163

tabulation: Freq. Value
150 "." 
2 "1/3Yrs"
2 "Bp Monitoring, Rapid Testing For Blood
Glucose , Cholesterol Levels,
Hemoglobin
Level"
4 "Feeding Plan, Care For Aids Orphans,
Wellness Management Services, Stis
Treatment"
5 "Oi Treatment"



warning: variable has embedded blanks

visits

Visit type & number

type: string (str44)

unique values: 9 missing "": 0/163

tabulation: Freq. Value
117 "." 
5 "2"
1 "4983 Total Annual Visits By All
Patients"
1 "5296 Total Annual Visits By All
Patients"
1 "7 Total Annual Visits By All Patients"
1 "746 Total Annual Visits By All
Patients"
30 "Pre-Test Session (1), Post-Test
Sessions (1)" 
5 "Pre-Test Session (1), Post-Test
Sessions (2)"
2 "Yes - Details Nr"

warning: variable has embedded blanks

referrals


Referrals

type: string (str64)

unique values: 6 missing "": 0/163


tabulation: Freq. Value
150 "."
1 "No"

```


2 "Rapid Test" 
2 "To Private Provider If Insured
To Mohss
Facility If Not Insured"
4 "Yes - Hiv Care"
4 "Yes-Details Nr"

warning: variable has embedded blanks

-----
method Method
-----

type: string (str288)
unique values: 17 missing "": 0/163
examples: "Hiv Rapid Test"
"Hiv Rapid Test"
"Hiv Rapid Test"
"Rapid Test" 
warning: variable has embedded and trailing blanks

-----
id_tech Technology
-----

type: string (str288)
unique values: 17 missing "": 0/163
examples: "Hiv Rapid Test"
"Hiv Rapid Test"
"Hiv Rapid Test" 
"Rapid Test"
warning: variable has embedded and trailing blanks

-----
treatment_phase Treatment phase
-----

type: string (str3), but longest is str1
unique values: 1 missing "": 0/163
tabulation: Freq. Value
163 "."

-----
arv_regimen ARV Regimen
-----

```

```

type: string (str98)

unique values: 2                missing "": 0/163

tabulation: Freq. Value
             158 "."
             5  "1st line: Lamivudine/zidovudine +
                 nevirapine 150/300 ; 2nd line:
                 Tenofovir/lamivudine + nevirapine"

warning: variable has embedded blanks

```

treatment	Treatment
-----------	-----------

```

type: string (str25)

unique values: 3                missing "": 0/163

tabulation: Freq. Value
             156 "."
             5  "Yes, Details NR"
             2  "cotrimoxazole prophylaxis"

warning: variable has embedded blanks

```

screening_diagnoses	Screening and diagnosis
---------------------	-------------------------

```

type: string (str47)

unique values: 6                missing "": 0/163

tabulation: Freq. Value
             12 "."
            128 "HIV testing"
             3  "HIV testing, STI testing"
             9  "HIV testing; OI testing"
             9  "HIV, Malaria, hypertension and diabetes
                 testing"
             2  "HIV, Syphilis, HepB testing"

warning: variable has embedded blanks

```

community_awareness	Community awareness
---------------------	---------------------

```

type: string (str40)

unique values: 6                missing "": 0/163

```

```

tabulation: Freq. Value
              4 "annual HIV prevention campaign"
            129 "."
              5 "None"
              2 "Peer education"
            14 "mass media"
              9 "mass media, community meetings,
                programs"

```

warning: variable has leading and embedded blanks

health_system

health_system

type: string (str2), but longest is str1

unique values: 1 missing "": 0/163

```

tabulation: Freq. Value
            163 "."

```

id_activities

Costed activities

type: string (str92)

unique values: 9 missing "": 0/163

```

tabulation: Freq. Value
            102 "Counseling Content, Screening &
                Diagnoses"
             18 "Demand Generation, Counseling Content,
                Screening & Diagnoses"
              9 "Demand Generation, Counseling Content,
                Screening & Diagnoses, Community
                Awareness"
              2 "Demand Generation, Counseling Content,
                Screening & Diagnoses, Treatment,
                Community Awareness"
              4 "Demand Generation, Counseling Content,
                Supportive Care, Screening & Diagnoses"
              2 "Demand Generation; Counseling;
                Referrals"
              4 "Rapid Test"
             17 "Screening & Diagnoses"
              5 "Supportive Care, Arv Regimen, Screening
                & Diagnoses, Treatment"

```

warning: variable has embedded blanks

start_month

Start Month

```

      type:  numeric (byte)

      range:  [1,12]                units:  1
unique values: 11                missing .:  63/163

      mean:    4.19
      std. dev: 2.98039

percentiles:      10%      25%      50%      75%      90%
                  1        2        4        6       10

```

start_yearStart Year

```

      type:  numeric (int)

      range:  [1996,2015]          units:  1
unique values: 16                missing .:  0/163

      mean:    2008.38
      std. dev: 3.78954

percentiles:      10%      25%      50%      75%      90%
                  2004     2007     2008     2011     2013

```

end_monthEnd Month

```

      type:  numeric (byte)

      range:  [3,12]                units:  1
unique values: 8                missing .:  63/163

      tabulation:  Freq.  Value
                   22    3
                   17    4
                   12    5
                    4    6
                    5    7
                    2    8
                   12    9
                   26   12
                   63    .

```

end_yearEnd Year

```

      type:  numeric (int)

```

```

range: [1996,2015]
unique values: 15
units: 1
missing .: 0/163

```

```

mean: 2009.07
std. dev: 3.8515

```

```

percentiles:      10%      25%      50%      75%      90%
                  2005      2007      2009      2012      2014

```

```

period_portrayed
Total Months

```

```

type: string (str9)

```

```

unique values: 8
missing "": 0/163

```

```

tabulation: Freq. Value
              2  "10"
             113  "12"
              16  "12 months"
               9  "13"
              10  "3"
               5  "6"
               4  "6-12"
               4  "9"

```



```

warning: variable has embedded blanks

```

```

year_intro
Year introduced at study site

```

```

type: numeric (int)

```

```

range: [2001,2008]
unique values: 6
units: 1
missing .: 145/163

```

```

tabulation: Freq. Value
              4  2001
              2  2003
              7  2004
              1  2006
              2  2007
              2  2008
             145  .

```

```

coverage
Coverage

```

```

type: string (str28)

```

```

unique values: 5
missing "": 0/163

```

```

tabulation: Freq. Value
             157  "."
              1  ".98"
              1  ".99"
              2  "60% of the community members"
              2  "800000 people"

```

warning: variable has embedded blanks

```

id_pop_dem_std                                     Target group (demographic)

```

type: string (str23)

unique values: 9 missing "": 0/163

```

tabulation: Freq. Value
             5  "."
            12  "Adults"
           115  "General Populations"
              6  "High-risk groups"
              2  "People who Inject Drugs"
              2  "Prisoners"
              2  "Sex Worker"
              2  "explicit"
            17  "inferred"

```

warning: variable has embedded blanks

```

id_pop_clin_std                                    Target group (clinical)

```

type: string (str18)

unique values: 1 missing "": 0/163

```

tabulation: Freq. Value
            163  "Unknown HIV Status"

```

warning: variable has embedded blanks

```

pop_age                                             Average Age

```

type: string (str20)

unique values: 7 missing "": 0/163

```

tabulation: Freq. Value
            143  "."

```

```

2 "25"
4 "28"
5 "30"
4 "34"
4 "41.5"
1 "Rural: 29, Urban: 27"

```

warning: variable has embedded blanks

pop_sex	Gender
---------	--------

type: string (str32)

unique values: 22 missing "": 0/163

examples: "."
 "."
 "."
 "37.2% Male"

warning: variable has embedded blanks

pop_ses	SES
---------	-----

type: string (str102)

unique values: 9 missing "": 0/163

tabulation:	Freq.	Value
	134	"."
	2	"19% uneployed, median monthy income (range) is \$77(\$36-\$128)"
	4	"50% employed"
	2	"7% unemployed, median monthly incom (range) is \$48(\$36-\$72)"
	2	"7% unemployed, median monthly income (range) is \$124 (52-246)"
	1	"Mean monthly house hold expenditures: Rural: \$52, Urban: \$108"
	2	"Monthly median income (\$17.64)"
	12	"high quintile (12.6%), 2nd highest (21.7%),middle (22.9%), 2nd lowest (21.7%), lowest quintile (20.9%)"
	4	"high quintile (22.2%), 2nd highest (19.9%),middle (19.1%), 2nd lowest (18.7%), lowest quintile (19.9%)"

warning: variable has embedded blanks

pop_education

Education

```
type: string (str85)

unique values: 6          missing "": 0/163

tabulation: Freq. Value
             144  "."
              1  "Ever attended school (77%)"
              1  "Ever attended school (79%)"
              1  "Secondary or higher: Rural: 32.1%,
                Urban: 54%"
              4  "up to standard 8 (38.7%), up to form 6
                (57%), University or training college
                (3.2%)"
             12  "up to standard 8 (52.2%), up to form 6
                (44.7%), University or training college
                (4.1%)"

warning: variable has embedded blanks
```

hiv_prev

HIV Prevalence

```
type: string (str60)

unique values: 28          missing "": 0/163

examples:  "."
           ".066"
           ".09"
           ".26"

warning: variable has embedded blanks
```

tb_prev

TB Prevalence

```
type: string (str3), but longest is str1

unique values: 1          missing "": 0/163

tabulation: Freq. Value
             163  "."
```

tb_rx_resistance

TB Drug Resistance

```
type: string (str1)
```

unique values: 1 missing "": 0/163

tabulation: Freq. Value
163 "."

costing_purpose

Costing Purpose

type: string (str991)

unique values: 25 missing "": 0/163

examples: "To demonstrate the feasibility, acceptability and cost of home-based HIV testing and to examine the applicability of the model to high HIV prevalence settings."
"To evaluate costs and outcomes of voluntary counselling and testing (VCT) service delivery models in urban Indonesia."
"To examine the relative costs of provider-initiated testing and counselling (PITC) services compared with voluntary counselling and testing (VCT) services in the same health facilities in two low-resource settings: Kenya and Swaziland."
"To inform scalability, authors sought to determine: 1) overall cost and efficiency of this approach; and 2) costs associated with point-of-care (POC) CD4 testing, multi-disease services, and community mobilization."

warning: variable has embedded and trailing blanks

timing

Timing

type: string (str15)

unique values: 1 missing "": 0/163

tabulation: Freq. Value
163 "Cross-Sectional"

country_sampling

Country Sampling

type: string (str9)

unique values: 2 missing "": 0/163

tabulation: Freq. Value
90 "."

73 "Purposive"

geo_sampling_incountry	Geographic Area In Country Sampling
------------------------	-------------------------------------

```
type:  string (str11)
```

```
unique values: 5
```

missing "": 0/163

```

tabulation:  Freq.  Value
              58  "."
              16  "Cluster"
              14  "Convenience"
              58  "Purposive"
              17  "Random"

```

site_sampling	Site Sampling
---------------	---------------

```
type:  string (str14)
```

```
unique values: 6
```

missing "": 0/163

```

tabulation:  Freq.  Value
              11    ". "
              16  "Cluster"
              24  "Convenience"
              47  "Entire Program"
              53  "Purposive"
              12  "Random"

```

```
warning: variable has embedded blanks
```

px_sampling	Patient Sampling
-------------	------------------

```
type:  string (str14)
```

```
unique values: 4
```

missing "": 0/163

```

tabulation:  Freq.  Value
              98  "."
              16  "Cluster"
               8  "Convenience"
              41  "Entire Program"

```

```
warning: variable has embedded blanks
```

sample_size_derived	Sample size formally derived
---------------------	------------------------------

```

        type: string (str2)

unique values: 2                                missing "": 0/163

    tabulation: Freq. Value
                  120  "."
                  43  "No"

-----
controls                                           Controls
-----

        type: string (str3)

unique values: 3                                missing "": 0/163

    tabulation: Freq. Value
                  138  "."
                  17  "No"
                   8  "Yes"

-----
econ_perspective_actual                             Perspective
-----

        type: string (str8)

unique values: 2                                missing "": 0/163

    tabulation: Freq. Value
                  139  "Provider"
                   24  "Society"

-----
econ_costing                                         Economic / Financial
-----

        type: string (str14)

unique values: 2                                missing "": 0/163

    tabulation: Freq. Value
                  153  "Economic"
                   10  "Financial Only"

        warning: variable has embedded blanks

-----
real_world                                           Real World / Per Protocol
-----

        type: string (str12)

```

unique values: 2 missing "": 0/163

tabulation:	Freq.	Value
	3	"Per Protocol"
	160	"Real World"

warning: variable has embedded blanks

asd_costs Above Service Costs Included

type: string (str19)

unique values: 3 missing "": 0/163

tabulation:	Freq.	Value
	27	"."
	96	"No Costs Included"
	40	"Some Costs Included"

warning: variable has embedded blanks

list_asd_costs Above Service Cost List

type: string (str164)

unique values: 10 missing "": 0/163

examples: "."
"."
"."
"Monitoring And Evaluation, Training"

warning: variable has embedded and trailing blanks

omitted_costs Omitted Costs

type: string (str234)

unique values: 11 missing "": 0/163

examples: "Patient costs"
"Patient costs"
"Patient costs"
"Patient costs"

warning: variable has leading and embedded blanks

sensitivity_analysis

Sensitivity Analysis

type: string (str13)

unique values: 4

missing "": 0/163

tabulation:	Freq.	Value
	1	"."
	4	"Comprehensive"
	15	"Limited"
	143	"None"

scale

Economies of scale

type: string (str9)

unique values: 3

missing "": 0/163

tabulation:	Freq.	Value
	11	"Analyzed"
	111	"Discussed"
	41	"Ignored"

research_costs

Research Costs Included

type: string (str8)

unique values: 2

missing "": 0/163

tabulation:	Freq.	Value
	53	"."
	110	"Excluded"

unrelated_costs

Unrelated Costs Included

type: string (str2)

unique values: 2

missing "": 0/163

tabulation:	Freq.	Value
	139	"."
	24	"No"

overhead

Overhead Costs Included

```

type: string (str3)

unique values: 2                                missing "": 0/163

tabulation: Freq. Value
              12 "No"
              151 "Yes"

```

```

overhead_costs                                Overhead Costs List

```

```

type: string (str461)

unique values: 19                                missing "": 0/163

examples: "Building Maintenance, Communications And Stationery
           "
           "Buildings, Equipment, Supplies And Support Staff"
           "Details Nr"
           "None"

warning: variable has embedded and trailing blanks

```

```

pot_distortions                                Potential distortions

```

```

type: string (str93)

unique values: 2                                missing "": 0/163

tabulation: Freq. Value
              159 "."
              4 "THERE WAS A SIGNIFICANT VARIATION IN
                THE NUMBER OF PTIENTS PER MONTHS DURING
                THE STUDY PERIOD"

warning: variable has embedded blanks

```

```

volunteer_time                                Valuing Volunteer Time

```

```

type: string (str18)

unique values: 4                                missing "": 0/163

tabulation: Freq. Value
              122 "."
              16 "Interview"
               1 "Local Paid Income"
              24 "Valued - Method Nr"

```

warning: variable has embedded blanks

family_time Valuing Family Time

type: string (str17)

unique values: 2 missing "": 0/163

tabulation:	Freq.	Value
	147	"."
	16	"Local Full Income"

warning: variable has embedded blanks

px_costs_measured Patient-Incurred Costs Measured

type: string (str32)

unique values: 5 missing "": 0/163

tabulation:	Freq.	Value
	12	"."
	108	"Not Included"
	3	"Not Includedt Included"
	16	"Not Includedt Includedt Included"
	24	"Yes"



warning: variable has embedded blanks

cat_cost Catastrophic Cost Calculated

type: string (str12)

unique values: 3 missing "": 0/163

tabulation:	Freq.	Value
	143	"."
	19	"No"
	1	"See Cell R67"



warning: variable has embedded blanks

currency_yr Reported Currency Year

type: numeric (int)


```

range: [1999,2016]
unique values: 16
units: 1
missing .: 11/163

```

```

mean: 2009.71
std. dev: 3.12569

```

```

percentiles:      10%      25%      50%      75%      90%
                  2007      2008      2009      2012      2014

```

```

iso_code
Reported Currency

```

```

type: string (str3)
unique values: 13
missing "": 0/163
examples: "KES"
           "MWK"
           "SZL"
           "USD"

```

```

currency_iso
Currency of Data Collection

```

```

type: string (str3)
unique values: 11
missing "": 0/163
examples: "KES"
           "KES"
           "MWK"
           "USD"

```

```

currency_x
Currency Exchange Method

```

```

type: string (str29)
unique values: 3
missing "": 0/163
tabulation: Freq. Value
              25  "."
              122  "Market Only"
              16  "Traded/Market, Non-Traded Ppp"

```

```

warning: variable has embedded blanks

```

```

current_x_rate
Currency Exchange Rate

```

```

type: string (str17)

unique values: 30                                missing "": 0/163

examples: "."
          "426"
          "7.85"
          "78.790000000000001"


```

discount_rate	Discount Rate
---------------	---------------

```

type: string (str6)

unique values: 5                                missing "": 0/163

tabulation: Freq. Value
              57  "."
              91  ".03"
               1  ".04"
              12  "3"
               2  "3%, 6%" 

warning: variable has embedded blanks

```

inflation	Inflation rate
-----------	----------------

```

type: string (str2), but longest is str1

unique values: 1                                missing "": 0/163

tabulation: Freq. Value
              163  "."

```

mean_cost	Mean Unit Cost
-----------	----------------

```

type: numeric (double)

range: [2.01,1995]                                units: 1.000e-07
unique values: 162                                missing .: 0/163

mean: 104.345
std. dev: 260.71

percentiles:    10%    25%    50%    75%    90%
                5.71    8.89   22.547  97.04  237.6

```

si_personnel	Personnel (SI)
--------------	----------------

```

-----
type: numeric (double)

range: [.12,252.31547] units: 1.000e-07
unique values: 51 missing : 111/163

mean: 14.4749
std. dev: 42.9122

percentiles: 10% 25% 50% 75% 90%
1.1 2.01286 3.345 8.15 15.6733

```

```

-----
si_per_service_delivery Personnel: Direct Service Delivery (SI)
-----

```

```

type: numeric (double)

range: [1.1125,252.31547] units: 1.000e-07
unique values: 11 missing : 152/163

mean: 48.5122
std. dev: 87.6372

percentiles: 10% 25% 50% 75% 90%
1.17327 1.19 2.66034 51.3848 188.585

```

```

-----
si_per_support Personnel: Support (SI)
-----

```

```

type: numeric (double)

range: [.97,4.18] units: .01
unique values: 5 missing : 158/163

tabulation: Freq. Value
1 .97000003
1 1
1 1.15
1 2.1400001
1 4.1799998
158 .

```

```

-----
si_per_mixed_unspec Personnel: Mixed Unspecified (SI)
-----

```

```

type: numeric (double)

range: [.12,15.785844] units: 1.000e-07
unique values: 44 missing : 118/163

```

```

        mean:      4.6582
    std. dev:      4.68231

    percentiles:    10%      25%      50%      75%      90%
                   .73    1.82624  2.93202  4.89    13.5

```

```

si_recurrent                                     Recurrent Goods (SI)

```

```

        type: numeric (double)

        range: [.31,285.39489]          units: 1.000e-16
    unique values: 51                  missing .: 112/163

        mean:      15.1464
    std. dev:      47.9909

    percentiles:    10%      25%      50%      75%      90%
                   1.03    1.5931  3.04    6.98    18.886

```

```


si_rec_key_drugs                                Recurring: Supplies (key drugs) (SI)

```

```

        type: numeric (double)

        range: [0,0]                  units: 1
    unique values: 1                  missing .: 159/163

    tabulation: Freq. Value
                 4 0 
                 159 .

```

```

si_rec_med_int_supplies                        Recurring: Medical Supplies (excluding drugs) (SI)

```

```

        type: numeric (double)

        range: [.15,105.53811]          units: 1.000e-07
    unique values: 15                  missing .: 147/163

        mean:      12.3581
    std. dev:      28.3915

    percentiles:    10%      25%      50%      75%      90%
                   .15    .67    2.44425  5.7703  56.9055

```

```

si_rec_nonmed_int_supplies                    Recurring: Non-medical Supplies (SI)

```

```


        type: numeric (double)

```

range: [.9390244,14.896922] units: 1.000e-07
unique values: 6 missing : 157/163

tabulation: Freq. Value
1 .93902439
1 6.1543941
1 8.7398436
1 9.3928576
1 13.378343
1 14.896922
157 .

si_rec_building_space Recurring: Building Space (SI)

type: numeric (double)

range: [0,37.578747] units: 1.000e-07
unique values: 13 missing : 150/163

mean: 9.07248
std. dev: 13.2757

percentiles: 10% 25% 50% 75% 90%
 .228 .58422 1.57636 13.5157 35.9994

si_rec_mixed Recurring: Mixed (SI)

type: numeric (double)

range: [.,.] units: .
unique values: 0 missing : 163/163

tabulation: Freq. Value
 163 .

si_rec_other Recurring: Other (SI)

type: numeric (double)

range: [.0445,135.11758] units: 1.000e-10
unique values: 49 missing : 114/163

mean: 8.23052
std. dev: 22.9344

percentiles: 10% 25% 50% 75% 90%
 .31 .97 2.76 5.73 11.16

si_capital	Capital (SI)
------------	--------------

```

      type: numeric (double)

      range: [.03,24.5]          units: 1.000e-09
unique values: 40                missing .: 120/163

      mean: 1.53918
      std. dev: 4.02745

percentiles:      10%      25%      50%      75%      90%
                  .07      .15      .42      .908414    3.17

```

si_cap_med_equip	Capital: Equipment (medical) (SI)
------------------	-----------------------------------

```

      type: numeric (double)

      range: [.05226481,10.642858]  units: 1.000e-08
unique values: 8                    missing .: 154/163

tabulation: Freq.  Value
              1    .05226481
              1    .46925133
              1    .52999997
              2    .69
              1    .69999999
              1    1.17
              1    1.5605701
              1    10.642858
            154    .

```

si_cap_nonmed_equip	Capital: Equipment (non-medical) (SI)
---------------------	---------------------------------------

```

      type: numeric (double)

      range: [.09282,.31043479]    units: 1.000e-08
unique values: 5                    missing .: 158/163

tabulation: Freq.  Value
              1    .09282
              1    .11433757
              1    .18347827
              1    .2123412
              1    .31043479
            158    .

```

si_cap_building_space

Capital: Building Space (SI)

type: numeric (double)
range: [0, 6.4642859] units: 1.000e-09
unique values: 30 missing : 126/163
mean: .63324
std. dev: 1.22081
percentiles: 10% 25% 50% 75% 90%
.04 .09 .22686 .5 1.67

si_cap_vehicles

Capital: Vehicles (SI)

type: numeric (float)
range: [.,.] units: .
unique values: 0 missing : 163/163
tabulation: Freq. Value
163 .

si_cap_mixed

Capital: Mixed (SI)

type: numeric (double)
range: [.,.] units: .
unique values: 0 missing : 163/163
tabulation: Freq. Value
163 .

si_cap_other

Capital: Other (SI)

type: numeric (double)
range: [0, 7.3928571] units: 1.000e-08
unique values: 11 missing : 152/163
mean: 2.30332
std. dev: 2.93384
percentiles: 10% 25% 50% 75% 90%
.304 .344418 .78 5.64171 7.30662

si_mixed Mixed (SI)

type: numeric (double)
range: [.29000001,7.6999998] units: 1.000e-08
unique values: 7 missing .: 156/163

tabulation: Freq. Value
1 .29000001
1 .65999998
1 3.15202
1 5.30865
1 5.8295002
1 7.35672
1 7.6999998
156 .

si_unspecified Unspecified (SI)

type: numeric (double)
range: [.07,.23] units: .01
unique values: 5 missing .: 158/163

tabulation: Freq. Value
1 .07
1 .09
1 .12
1 .13
1 .23
158 .

a_primary_sd Primary Service Delivery (A)

type: numeric (double)
range: [.12,357.85358] units: 1.000e-18
unique values: 47 missing .: 115/163

mean: 21.2108
std. dev: 61.2749

percentiles: 10% 25% 50% 75% 90%
1.17327 3.68951 5.805 11.9594 19.23

a_prisd_unspecified Primary SD: Unspecified (A)


```

type: numeric (double)

range: [.15000001,102.43737]      units: 1.000e-14
unique values: 34                missing .: 128/163

mean: 7.99035
std. dev: 17.0006

percentiles:      10%      25%      50%      75%      90%
                  .21      2.68      4.01      6.83      11.16

```

```

a_prisd_unspec_counseling      Primary SD: Counseling unspecified (A)

```

```

type: numeric (double)

range: [1.1125,2.66034]      units: .00001
unique values: 4            missing .: 159/163

tabulation: Freq.  Value
              1  1.1125
              1  1.17327
              1  1.34787
              1  2.6603401
            159  .

```

```

a_prisd_post_test_counseling    Primary SD: Post-test counseling (A)

```

```

type: numeric (double)

range: [2.93202,2.93202]      units: .00001
unique values: 1            missing .: 162/163

tabulation: Freq.  Value
              1  2.9320199
            162  .

```

```

a_prisd_lab_services            Primary SD: Lab services (A)

```

```

type: numeric (double)

range: [.82,105.53811]      units: 1.000e-06
unique values: 5            missing .: 154/163

tabulation: Freq.  Value
              5  .81999999
              1  1.21
              1  1.52
              1  56.905495

```

1 105.53811
154 .

a_prisd_htc_service_delivery Primary SD: HTC service delivery (A)

type: numeric (double)

range: [.73,51.3848] units: 1.000e-07
unique values: 30 missing : 132/163

mean: 6.40677
std. dev: 9.8743

percentiles: 10% 25% 50% 75% 90%
1.41 2.22 3.29 5.04 11.45

a_prisd_hiv_rapid_test Primary SD: HIV rapid testing (A)

type: numeric (double)

range: [1.0789981,252.31547] units: 1.000e-07
unique values: 6 missing : 157/163

tabulation: Freq. Value
1 1.0789981
1 1.1758733
1 3.8399999
1 13.23
1 86.147948
1 252.31547
157 .

a_prisd_arv_delivery Primary SD: ARV delivery

type: numeric (double)

range: [.12,1.99] units: .01
unique values: 4 missing : 159/163

tabulation: Freq. Value
1 .12
1 .34999999
1 1.1
1 1.99
159 .

a_secondary_sd Secondary Service Delivery (A)

```

        type: numeric (float)

        range: [.,.]
        unique values: 0
        units: .
        missing : 163/163

        tabulation: Freq. Value
                     163 .

```

```

a_ancillary

```

```

        type: numeric (double)

        range: [.01,6.4642859]
        unique values: 27
        units: 1.000e-09
        missing : 133/163

        mean: .769139
        std. dev: 1.37778

        percentiles:      10%      25%      50%      75%      90%
                        .045      .09      .26      .5      2.65702

```

```

a_anc_demand_generation

```

```

        type: numeric (double)

        range: [.01,.12]
        unique values: 2
        units: .01
        missing : 161/163

        tabulation: Freq. Value
                     1 .01
                     1 .12
                     161 .

```

```

a_anc_lab_services

```

```

        type: numeric (float)

        range: [.,.]
        unique values: 0
        units: .
        missing : 163/163

        tabulation: Freq. Value
                     163 .

```

```

a_anc_adhreten

```

```

type: numeric (float)

range: [.,.]
unique values: 0
units: .
missing : 163/163

```

```

tabulation: Freq. Value
            163 .

```

```

a_anc_bldg_equip
Ancillary: Building equipment (A)

```

```

type: numeric (double)

range: [.10966694,2.4703918]
unique values: 2
units: 1.000e-09
missing : 161/163

```

```

tabulation: Freq. Value
            1 .10966694
            1 2.4703918
            161 .

```

```

a_anc_unspecified
Ancillary: Unspecified (A)

```

```

type: numeric (double)

range: [0,6.4642859]
unique values: 25
units: 1.000e-09
missing : 135/163

mean: .72729
std. dev: 1.38492

percentiles:      10%      25%      50%      75%      90%
                  .03      .08      .26      .47      2.82927

```

```

a_operational
Operational (A)

```

```

type: numeric (double)

range: [.11,171.11693]
unique values: 25
units: 1.000e-11
missing : 138/163

mean: 14.1732
std. dev: 41.8464

percentiles:      10%      25%      50%      75%      90%
                  .242518 .78      1.68      3.67      7.39286

```

a_ope_bldg_equip Operational: Buildings and Equipment (A)

type: numeric (double)
range: [0,39.059299] units: 1.000e-06
unique values: 9 missing : 153/163

tabulation: Freq. Value
1 0
1 .03
2 .04
1 .14
1 .49698001
1 .67648
1 1.5486
1 38.952554
1 39.059299
153 .

a_ope_logistics Operational: Logistics (A)

type: numeric (float)
range: [.,.] units: .
unique values: 0 missing : 163/163

tabulation: Freq. Value
163 .

a_ope_program_mgmt Operational: Program Management (A)

type: numeric (double)
range: [.11,4.2499998] units: 1.000e-08
unique values: 11 missing : 152/163

mean: 1.29197
std. dev: 1.20691
percentiles: 10% 25% 50% 75% 90%
.24 .32379 1.12 1.82624 2.37

a_ope_supervision Operational: Supervision (A)

type: numeric (float)
range: [.,.] units: .

unique values: 0 missing .: 163/163

tabulation: Freq. Value
163 .

a_ope_training Operational: Training (A)

type: numeric (double)

range: [.0445,32.56015] units: 1.000e-08
unique values: 17 missing .: 146/163

mean: 3.60981
std. dev: 7.85549

percentiles: 10% 25% 50% 75% 90%
.05271 .344418 .75 1.69 7.39286

a_ope_transportation Operational: Transportation (A)

type: numeric (double)

range: [0,119.87785] units: 1.000e-09
unique values: 5 missing .: 158/163

tabulation: Freq. Value
1 0
1 .01827782
1 .30399999
1 15.018416
1 119.87785
158 .

a_ope_massed Operational: Mass Education (A)

type: numeric (float)

range: [.,.] units: .
unique values: 0 missing .: 163/163

tabulation: Freq. Value
163 .

a_ope_hmis Operational: HMIS and Record-Keeping (A)

type: numeric (float)

range: [.,.] units: .
unique values: 0 missing .: 163/163

tabulation: Freq. Value
 163 .

a_ope_unspecified Operational: Unspecified (A)

type: numeric (double)

range: [.39,45.943081] units: 1.000e-06
unique values: 7 missing .: 156/163

tabulation: Freq. Value
 1 .38999999
 1 .77999997
 1 .79716
 1 1.0700001
 1 1.39
 1 12.179782
 1 45.943081
 156 .

a_mixed Mixed (A)

type: numeric (double)

range: [.31,38.892174] units: 1.000e-08
unique values: 15 missing .: 148/163

mean: 11.4798
std. dev: 14.1788

percentiles: 10% 25% 50% 75% 90%
 .88 1.05 5.30865 28.4174 36.7278

a_mix_bldg_equip Mixed: Building equipment (A)

type: numeric (double)

range: [.228,.228] units: .001
unique values: 1 missing .: 162/163

tabulation: Freq. Value
 1 .228
 162 .

a_unspecified

Unspecified (A)

type: numeric (double)

range: [.05226481,14.896922]

units: 1.000e-08

unique values: 8

missing .: 155/163

tabulation:	Freq.	Value
	1	.05226481
	1	.18000001
	1	.41999999
	1	.46925133
	1	1.5605701
	1	8.7398436
	1	10.642858
	1	14.896922
155	.	