

# PMTCT 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

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disease	Disease
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---

type: string (str3)

unique values: 1                      missing "": 0/71

tabulation:	Freq.	Value
	71	"HIV"

---

collapsed	Collapsed
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---

type: string (str3), but longest is str2

unique values: 1                      missing "": 0/71

tabulation:	Freq.	Value
	71	"No"

---

lead_author	Lead Author
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---

type: string (str59)

unique values: 9                      missing "": 0/71

tabulation:	Freq.	Value
	32	"Bautista-Arredondo, S"
	10	"Bratt, JH"

```

4 "Dandona, L"
7 "Health Policy Project"
1 "Health Policy Project & Ministry of
  Health of Cote d'Ivoire"
1 "Orlando, S"
4 "Scott, CA"
4 "Stringer, EM"
8 "Toure, H"

```

warning: variable has embedded blanks

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ref_year	Reference Year
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```

type: numeric (int)

range: [2003,2016]          units: 1
unique values: 8            missing.: 0/71

tabulation: Freq. Value
              4 2003
              4 2008
              1 2010
             10 2011
              7 2012
             12 2013
              1 2015
             32 2016

```

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output_unit2	Output unit
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---

```

type: string (str27)

unique values: 5            missing "": 0/71

tabulation: Freq. Value
              54 "."
              7 "Cost Per Mother-Infant Pair"
              8 "Cost Per Mother-Infant Year"
              1 "Cost Per Patient Year"
              1 "Patient 10 Months"

```

warning: variable has embedded blanks

---

title	Title
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---

```

type: string (str155)

unique values: 9            missing "": 0/71

```

```

tabulation: Freq. Value
              1 "Cost-effectiveness of Using HAART in
                Prevention of Mother-to-Child
                Transmission in the DREAM-Project
                Malawi"
              32 "Costs along the HTC and PMTCT service
                cascades: findings from Kenya, Rwanda,
                South Africa, and Zambia"
              10 "Costs of HIVAIDS outpatient services
                delivered through Zambian public health
                facilities"
              1 "Estimating the cost of HIV treatment
                for adults, children, and pregnant women
                in Cote d'Ivoire"
              4 "Outputs, cost and efficiency of public
                sector centres for prevention of mother
                to child transmission of HIV in Andhra
                Pradesh, India"
              4 "Prevention of mother-to-child
                transmission of HIV in Africa: Successes
                and challenges in scaling-up a
                nevirapine-based program in Lusaka,
                Zambia"
              8 "Public sector services for the
                prevention of mother-to-child
                transmission of HIV infection: a
                micro-costing survey in Namibia and
                Rwanda"
              7 "Unit Cost of Providing Key Services at
                the Facility Level to Prevent
                Mother-to-Child Transmission of HIV:
                Ghana "
              4 "Uptake, Outcomes, and Costs of
                Antenatal, Well-Baby, and Prevention of
                Mother-to-Child Transmission of HIV
                Services under Routine Care Conditions
                in Zambia"

```

warning: variable has embedded and trailing blanks

-----  
journal\_etc

Journal  
-----

type: string (str52)

unique values: 8

missing "": 0/71

```

tabulation: Freq. Value
              4 "AIDS. 2003 Jun 13; 17(9): 13771382"
              32 "AIDS. 2016 Oct 23;30(16):2495-2504"
              4 "BMC Health Serv Res. 2008; 8: 26"
              8 "Bull World Health Organ. 2013 Jun

```

```

1;91(6):407-15"
8 "Healthy Policy Project"
1 "J Acquir Immune Defic Syndr. 2010 Dec
15;55(5):631-4"
4 "PLoS One. 2013 Aug 28;8(8):e72444"
10 "Trop Med Int Health. 2011
Jan;16(1):110-8"

```

warning: variable has embedded blanks

---

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

---

type: string (str77)

unique values: 9 missing "": 0/71

tabulation:	Freq.	Value
	10	"<http://onlinelibrary.wiley.com/doi/10.1111/j.1365-3156.2010.02640.x/full>."
	7	"<http://pdf.usaid.gov/pdf_docs/PA00JFQ3.pdf>."
	4	"<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2267788/>."
	4	"<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2745990/>."
	4	"<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3756060/>."
	32	"<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5051528/>."
	1	"<https://www.ncbi.nlm.nih.gov/pubmed/21934555>."
	8	"<https://www.ncbi.nlm.nih.gov/pubmed/24052677>."
	1	"<www.healthpolicyproject.com/pubs/779_FINALFuturesHPPCIARTCostingReport.pdf>."

---

iso_name	Country
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---

type: string (str16)

unique values: 10 missing "": 0/71

examples: "Kenya"  
"Namibia"  
"South Africa"  
"Zambia"

warning: variable has embedded blanks

location Location

---

type: string (str69)

unique values: 11 missing "": 0/71

examples: "10 out of 47 counties "  
"Andhra Pradesh "  
"Five out of nine provinces (purpo- sively); 21 out  
of 72 districts "  
"Three out of nine provinces (purpo- sively); six out  
of 52 districts "

warning: variable has embedded and trailing blanks

---

no\_sites Sites

---

type: numeric (byte)

range: [2,58] units: 1

unique values: 12 missing .: 0/71

mean: 28.9718

std. dev: 22.4646

percentiles:	10%	25%	50%	75%	90%
	6	8	14	53	58

---

pop\_density Urbanicity

---

type: string (str7)

unique values: 3 missing "": 0/71

tabulation:	Freq.	Value
	8	"."
	58	"Mixture"
	5	"Urban"

---

ownership Ownership

---

type: string (str6)

unique values: 2 missing "": 0/71

tabulation:	Freq.	Value
	43	"Mixed"

---

platform	Platform
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---

```

type: string (str15), but longest is str14

unique values: 1                missing "": 0/71

tabulation: Freq. Value
              71 "Fixed Facility"

warning: variable has embedded blanks

```

---

facility_cat	Platform specificity
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---

```

type: string (str68)

unique values: 5                missing "": 0/71

tabulation: Freq. Value
              9 "Health Center (E.G. Community Health
                Clinic - Sometimes W/ 1-2 Beds)"
              5 "Hospital - Level Unspecified"
              8 "Hospital - Tertiary (Teaching)"
             48 "Mix Of Health Care Facility Types"
              1 "Unspecified Health Care Facility Type"

warning: variable has embedded blanks

```

---

id_class	Intervention Category
----------	-----------------------

---

```

type: string (str10)

unique values: 1                missing "": 0/71

tabulation: Freq. Value
              71 "Prevention"

```

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id_int	Intervention
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---

```

type: string (str50)

unique values: 1                missing "": 0/71

tabulation: Freq. Value
              71 "Prevention Of Mother-To-Child

```

Transmission (Pmtct)"

warning: variable has embedded blanks

int\_description\_long

Intervention Description (Long)

type: string (str1754)

unique values: 9

missing "": 0/71

tabulation: Freq. Value

4 "The PMTCT centres provide nevirapine to the HIV positive mothers and neonates to prevent vertical transmission of HIV. The mother was given one tablet of 200 mg at the onset of labour and the neonate was given 2 mg/kg body weight within 72 hours of birth. Of the 1,322 HIV positive deliveries, 1,212 (91.7%) mother-neonate pairs received nevirapine, varying from 2 to 224 at the 16 PMTCT centres, representing 80.9% to 100% of the HIV positive deliveries. Nevirapine was not administered in 110. (8.3%) deliveries because either the mother arrived after onset of labour, or the neonate was assessed not fit to be administered nevirapine, or it was a still birth, or the mother was infected with HIV-2. The PMTCT centres also provide the option of medical termination of pregnancy (MTP) to HIV positive women during the first trimester of pregnancy. In the 20052006 fiscal year, the number of women opting for MTP was 200 at the 16 PMTCT centres . The average ratio of the number of MTPs to the number of HIV positive deliveries was 0.15, varying from 0 to 0.52. The proportion of HIV positive mother-neonate pairs who received nevirapine and the ratio of MTPs to HIV positive deliveries were similar in PMTCT centres situated in hospitals attached to a medical college and those not attached to a medical college.

The

PMTCT centres also provide counselling and testing services to the spouse or partner of HIV positive pregnant women. Out of 2,060 HIV positive pregnant women who received post-HIV-test counselling,

1,075 (52.2%) got their spouse/partner tested of which 785 (73%) were HIV positive. These proportions were similar in PMTCT centres situated in hospitals attached to a medical college and those not attached to a medical college."

- 4 "An initial general pregnancy-oriented health talk is given to all women presenting for antenatal care, which includes discussion of the high prevalence of HIV among pregnant women in Lusaka, the risk of perinatal transmission, and the benefits of HIV testing and NVP. Women are encouraged to ask questions during the morning talks and may even be shown a NVP tablet. Women are then counseled individually in private rooms by the midwives, after which they are asked whether they would like to be tested for HIV. Women who express an interest at this point sign a brief consent form and their blood is drawn for HIV serology. The woman's antenatal book is then coded to indicate whether she refused or accepted testing. Post-test counseling of HIV-infected women who have completed 26 weeks of gestation includes distribution of a 200 mg NVP tablet with instructions to ingest at the onset of labor. Women who have not completed 26 weeks of gestation are given the tablet when they reach that gestational age or upon presentation in labor, whichever comes first. Women are encouraged to bring partners for voluntary counseling and testing or for counseling alone."
- 7 "Clients identified as seropositive during pregnancy receive follow-up counselling and support services to facilitate the acceptance of their serostatus, as well as direct referral to treatment and care services. All clients receive counselling at regular intervals; prophylaxis, diagnosis, and treatment of opportunistic infections (OIs); periodic laboratory testing; and routine medical consultations throughout pregnancy. All pregnant seropositive women that have been identified receive either ARV prophylaxis or treatment. HIV-exposed infants receive the normal standard care for a newborn, ARV prophylaxis for the first six weeks of



life, and OI prophylaxis (co-trimoxazole) for the duration of breastfeeding. HIV-exposed infants are assessed regularly for HIV seroconversion using the dried blood spot (DBS) method for early infant diagnosis (EID) at six weeks, six months, and 12 months. All HIV-exposed infants confirmed as HIV positive through DBS are referred to the ART clinic for HIV care and follow-up. Some facilities implement community-based services to ensure the continuum of care at the community level between regularly scheduled facility visits."

8 "Costs were estimated for each of the seven major components of the PMTCT services provided in the study countries: HIV testing and counselling of pregnant women and, where applicable, their male partners; CD4+ cell counts (for treatment eligibility and treatment monitoring); provision of antiretroviral drugs to the mother/infant pairs (for both prophylaxis and treatment); community-based activities; provision of oral contraception for 2 years postpartum; prophylaxis with co-trimoxazole (a combination of sulfamethoxazole and trimethoprim) for HIV-exposed infants aged 6 weeks to 2 years, and early infant diagnosis."

1 "On average, pregnant women were on treatment for 168 days until their due date. This means that pregnant women typically were identified and put on treatment at around four months into their pregnancy. In total, these women were usually on treatment for 248 days, signifying that many received post-delivery treatment while breastfeeding. "

10 "The Zambia Prevention, Care and Treatment Partnership (ZPCT), funded by PEPFAR through USAID, works with the Ministry of Health and provincial and district health offices to strengthen and expand HIV AIDS clinical services in Central, Copperbelt, Luapula, Northern and North Western Provinces. ZPCT advances the Government of the Republic of Zambia (GRZ) goals of reducing prevalence rates and providing ART by initiating, improving and scaling

up PMTCT, CT and clinical care services for people living with HIV AIDS, including ART programs in all ZPCT-supported districts in these five provinces."

32 "The following PMTCT components were assessed: HTC, routine clinical monitoring, and provision of antiretroviral and other drugs to mothers and infants. The prophylactic regimens considered were those implemented at the time of the study. In Kenya, South Africa, and Zambia Option A was used, in Rwanda Options B and B+ were implemented"

1 "The intervention included voluntary counselling and testing and adopted a holistic approach combining HAART (3TC-ZDV/D4TNVP), irrespectively of the patients immunological status from the 25th week of pregnancy, with the treatment of malnutrition, tuberculosis, malaria, and sexually transmitted diseases.<sup>2</sup> HAART was also administered during breastfeeding (BF) until 6 months after delivery, if the women adequately counselled chose to breastfeed. Whether the baby was breastfed or not the protocol is completed upon infant weaning (6th month), which terminates the risk of exposure to HIV transmission."

4 "women receive ARV prophylaxis including daily zidovudine from 14 weeks gestation through one week postpartum, single-dose nevirapine at delivery, and daily lamivudine from delivery through one week postpartum. Their babies receive daily nevirapine from birth through one week after the cessation of breastfeeding."

warning: variable has leading, embedded, and trailing blanks

---

clinical_monitoring	Clinical monitoring
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---

type: string (str27)

unique values: 5                      missing "": 0/71

tabulation: Freq. Value  
17 ". "

```

1 "Cd4, Complete Blood Count"
8 "Cd4, Early Infant Diagnosis"
2 "Cd4, Yes - Details Nr"
43 "Yes, Details - Nr"

```

warning: variable has embedded blanks

```

-----
demand_generation                                Demand generation
-----

```

type: string (str2), but longest is str1

unique values: 1 missing "": 0/71

```

tabulation: Freq. Value
              71  "."

```

```

-----
counseling_content                                Counseling content
-----

```

type: string (str36)

unique values: 4 missing "": 0/71

```

tabulation: Freq. Value
              36  "."
              4  "Post-Test Counseling"
              8  "Vct, Family Planning, Social Support"
             23  "Yes, Details - Nr"

```

warning: variable has embedded blanks

```

-----
staff_type                                        Staff type & number
-----

```

type: string (str207)

unique values: 6 missing "": 0/71

```

tabulation: Freq. Value
              13  "."
             32  "Doctors (Nr), Nurses (Nr), Clinical
                  Officers (Nr), Counselors (Nr), Social
                  Workers (Nr), Community Health Workers
                  (Nr), Peer Educators (Nr), Laboratory
                  Technicians (Nr), Pharmacists (Nr), And
                  Volunteers (Nr)"
              4  "Medical Officers (Nr), Counselor (Nr),
                  Laboratory Technician (Nr)"
              4  "Midwives (Nr)"
             10  "Physician (Nr), Medical Officer (Nr),

```

Nurse (Nr), Lay Provider (Nr)"  
 8 "Physician (Nr), Nurse (Nr), Midwife  
 (Nr), Lab Technician (Nr), Driver (Nr),  
 Social Worker (Nr)"

warning: variable has embedded blanks

-----  
 supportive\_care

Supportive care  
 -----

type: string (str97)

unique values: 5

missing "": 0/71

tabulation:	Freq.	Value
	55	"."
	1	"Nutritional Support"
	7	"Oi Prophylaxis"
	4	"Optional Termination Of Pregnancy To Hiv+, If They Are Still In The First Trimester Of Pregnancy "
	4	"Sxt Prophylaxis"

warning: variable has embedded and trailing blanks

-----  
 visits

Visit type & number  
 -----

type: string (str17)

unique values: 4

missing "": 0/71

tabulation:	Freq.	Value
	58	"."
	1	"3/Yr"
	10	"6/Yr"
	2	"Yes, Details - Nr"

warning: variable has embedded blanks

-----  
 referrals

Referrals  
 -----

type: string (str17)

unique values: 2

missing "": 0/71

tabulation:	Freq.	Value
	64	"."
	7	"Yes, Details - Nr"

warning: variable has embedded blanks

---

method	Method
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---

type: string (str33)

unique values: 2 missing "": 0/71

tabulation:	Freq.	Value
	64	"."
	7	"Rapid Test, Dried Blood Spot Test"

warning: variable has embedded blanks

---

id_tech	Technology
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---

type: string (str86)

unique values: 10 missing "": 0/71

examples: "."  
"Option A"  
"Option A"  
"Option A, Option B, Nvp, Arvs For Prophylaxis"

warning: variable has embedded blanks

---

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

---

type: string (str2), but longest is str1

unique values: 1 missing "": 0/71

tabulation:	Freq.	Value
	71	"."

---

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

---

type: string (str86)

unique values: 9 missing "": 0/71

tabulation:	Freq.	Value
	12	"."
	7	"AZT+3TC+NVP, AZT+3TC+EFV, TDF+3TC+NVP, TDF+FTC+NVP, TDF+FTC+NVP, TDF+FTC+EFV,

```

      AZT, NVP"
      8 "NVP, prophylaxis, Option A, Option B"
      8 "Nevirapine"
     24 "Option A"
      8 "Option B, Option B+"
      1 "first line, second line"
      1 "yes - not specified"
      2 "zidovudine, Nevirapine"

```

warning: variable has embedded blanks

---

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

---

type: string (str27)

unique values: 3                      missing "": 0/71

```

tabulation: Freq. Value
              15  "."
              55  "ARV prophylaxis & treatment"
               1  "STI treatment"

```

warning: variable has embedded blanks

---

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

---

type: string (str2), but longest is str1

unique values: 1                      missing "": 0/71

```

tabulation: Freq. Value
              71  "."

```

---

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

---

type: string (str2), but longest is str1

unique values: 1                      missing "": 0/71

```

tabulation: Freq. Value
              71  "."

```

---

id_activities	Costed activities
---------------	-------------------

---

type: string (str94)

```

unique values: 10                                missing "": 0/71

examples: "ARVs administration"
          "ARVs administration"
          "Testing, counselling, ARV prophylaxis, ARV
          treatment"
          "VCT, CD4 counts, ARVs, SXT prophylaxis, family
          planning, early infant diagnosis"

warning: variable has embedded blanks

```

```

-----
start_month                                     Start Month
-----

```

```

          type: numeric (byte)

          range: [1,4]                            units: 1
unique values: 2                                missing .: 62/71

tabulation: Freq. Value
              1  1
              8  4
             62  .

```

```

-----
start_year                                     Start Year
-----

```

```

          type: numeric (int)

          range: [2005,2013]                      units: 1
unique values: 5                                missing .: 8/71

tabulation: Freq. Value
              4  2005
             10  2008
              8  2009
             40  2011
              1  2013
              8  .

```

```

-----
end_month                                     End Month
-----

```

```

          type: numeric (byte)

          range: [3,12]                            units: 1
unique values: 3                                missing .: 62/71

tabulation: Freq. Value
              4  3
              4  9

```

1 12  
62 .

---

end_year	End Year
----------	----------

---

type: numeric (int)

range: [2006,2013]                      units: 1  
unique values: 6                      missing .: 8/71

tabulation: Freq. Value

4	2006
10	2008
8	2009
4	2011
36	2012
1	2013
8	.

---

period_portrayed	Total Months
------------------	--------------

---

type: string (str9)

unique values: 5                      missing "": 0/71

tabulation: Freq. Value

1	"10"
13	"12"
46	"12 months"
7	"21"
4	"6 months"

warning: variable has embedded blanks

---

year_intro	Year introduced at study site
------------	-------------------------------

---

type: numeric (int)

range: [2001,2005]                      units: 1  
unique values: 3                      missing .: 53/71

tabulation: Freq. Value

4	2001
4	2002
10	2005
53	.

---



coverage Coverage

```
type: numeric (byte)
range: [.,.]
unique values: 0
units: .
missing .: 71/71
tabulation: Freq. Value
              71 .
```

id\_pop\_dem\_std Target group (demographic)

```
type: string (str19)
unique values: 4
missing "": 0/71
tabulation: Freq. Value
              10 "General Populations"
              17 "Pregnant Women"
              12 "Pregnant women"
              32 "Women"
warning: variable has embedded blanks
```

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

```
type: string (str31)
unique values: 5
missing "": 0/71
tabulation: Freq. Value
              17 "HIV positive"
               2 "HIV positive, HIV exposed"
              46 "HIV positive, HIV status unkown"
               4 "HIV status unkown"
               2 "HIV-"
warning: variable has embedded blanks
```

pop\_age Average Age

```
type: string (str4)
unique values: 4
missing "": 0/71
tabulation: Freq. Value
              66 ". "
```

```

2 "24.2"
2 "27.6"
1 "30"

```

---

```

pop_sexGender

```

---

```

      type: string (str11)

unique values: 3missing "": 0/71

tabulation: Freq. Value
              56  "."
              14  "100% Female"
               1  "Female"

warning: variable has embedded blanks

```

---

```

pop_sesSES

```

---

```

      type: string (str2), but longest is str1

unique values: 1missing "": 0/71

tabulation: Freq. Value
              71  "."

```

---

```

pop_educationEducation

```

---

```

      type: string (str2), but longest is str1

unique values: 1missing "": 0/71

tabulation: Freq. Value
              71  "."

```

---

```

hiv_prevHIV Prevalence

```

---

```

      type: numeric (byte)

      range: [1,1]units: 1
unique values: 1missing .: 70/71

tabulation: Freq. Value
              1  1
             70  .

```

---

tb_prev	TB Prevalence
---------	---------------

---

type: string (str3), but longest is str1

unique values: 1                      missing "": 0/71

tabulation: Freq. Value

              71   "."

---

tb_rx_resistance	TB Drug Resistance
------------------	--------------------

---

type: string (str1)

unique values: 1                      missing "": 0/71

tabulation: Freq. Value

              71   "."

---

costing_purpose	Costing Purpose
-----------------	-----------------

---

type: string (str335)

unique values: 10                      missing "": 0/71

examples: "To assess the cost, cost structure, cost  
variability, and efficiency determinants of HIV  
prevention interventions "  
"To assess the cost, cost structure, cost  
variability, and efficiency determinants of HIV  
prevention interventions "  
"To describe the progress and challenges in  
scaling-up a nevirapine-based program "  
"To identify the cost of providing PMTCT services for  
one woman and child from the period of pregnancy  
through the recommended period of postpartum care  
according to national guidelines"

warning: variable has embedded and trailing blanks

---

timing	Timing
--------	--------

---

type: string (str15)

unique values: 2                      missing "": 0/71

tabulation: Freq. Value

67 "Cross-Sectional"  
4 "Longitudinal"

---

country\_sampling Country Sampling

---

type: string (str9)  
unique values: 2 missing "": 0/71  
tabulation: Freq. Value  
25 "."  
46 "Purposive"

---

geo\_sampling\_incountry Geographic Area In Country Sampling

---

type: string (str9)  
unique values: 4 missing "": 0/71  
tabulation: Freq. Value  
23 "."  
4 "Cluster"  
20 "Purposive"  
24 "Random"

---

site\_sampling Site Sampling

---

type: string (str14)  
unique values: 4 missing "": 0/71  
tabulation: Freq. Value  
32 "Cluster"  
18 "Entire Program"  
14 "Random"  
7 "Real World"

warning: variable has embedded blanks

---

px\_sampling Patient Sampling

---

type: string (str14)  
unique values: 2 missing "": 0/71  
tabulation: Freq. Value

```
67 "Entire Program"
4  "Purposive"
```

warning: variable has embedded blanks

---

```
sample_size_derived                                Sample size formally derived
```

---

```
type: string (str2)

unique values: 2                                missing "": 0/71

tabulation: Freq. Value
              53  "."
              18  "No"
```

---

```
controls                                            Controls
```

---

```
type: string (str3)

unique values: 3                                missing "": 0/71

tabulation: Freq. Value
              45  "."
              22  "No"
               4  "Yes"
```

---

```
econ_perspective_actual                            Perspective
```

---

```
type: string (str8)

unique values: 1                                missing "": 0/71

tabulation: Freq. Value
              71  "Provider"
```

---

```
econ_costing                                       Economic / Financial
```

---

```
type: string (str14)

unique values: 2                                missing "": 0/71

tabulation: Freq. Value
              67  "Economic"
               4  "Financial Only"
```

warning: variable has embedded blanks

---

real\_world Real World / Per Protocol

---

type: string (str10)

unique values: 1 missing "": 0/71

tabulation: Freq. Value

71	"Real World"
----	--------------

warning: variable has embedded blanks

---

asd\_costs Above Service Costs Included

---

type: string (str19)

unique values: 3 missing "": 0/71

tabulation: Freq. Value

33	"."
19	"No Costs Included"
19	"Some Costs Included"

warning: variable has embedded blanks

---

list\_asd\_costs Above Service Cost List

---

type: string (str151)

unique values: 5 missing "": 0/71

tabulation: Freq. Value

51	"."
8	"Management, Supervision, And Training At National Level"
1	"None"
7	"Planning And Program Management, Centrally Managed Trainings And Supervision, M&E, Communication Materials"
4	"The Hiv Test Kits, Male Condoms And Behavioural Change Communication Materials Were Supplied By The Andhra Pradesh State Aids Control Society (Apsacs)."

warning: variable has embedded blanks

---

omitted_costs	Omitted Costs
---------------	---------------

---

type: string (str42)

unique values: 4                      missing "": 0/71

tabulation: Freq. Value

1	"Building/space - recurring"
61	"Patient costs"
8	"Vehicles/transport, Patient costs"
1	"building/space - recurring, Building/space"

warning: variable has embedded blanks

---

sensitivity_analysis	Sensitivity Analysis
----------------------	----------------------

---

type: string (str4)

unique values: 2                      missing "": 0/71

tabulation: Freq. Value

7	"."
64	"None"

---

scale	Economies of scale
-------	--------------------

---

type: string (str9)

unique values: 3                      missing "": 0/71

tabulation: Freq. Value

4	"Analyzed"
53	"Discussed"
14	"Ignored"

---

research_costs	Research Costs Included
----------------	-------------------------

---

type: string (str8)

unique values: 2                      missing "": 0/71

tabulation: Freq. Value

16	"."
55	"Excluded"

---

unrelated_costs	Unrelated Costs Included
-----------------	--------------------------

---

```

type: string (str1)

unique values: 1                missing "": 0/71

tabulation: Freq. Value
              71  "."

```

---

overhead	Overhead Costs Included
----------	-------------------------

---

```

type: string (str3)

unique values: 2                missing "": 0/71

tabulation: Freq. Value
              8  "No"
             63  "Yes"

```

---

overhead_costs	Overhead Costs List
----------------	---------------------

---

```

type: string (str229)

unique values: 8                missing "": 0/71

tabulation: Freq. Value
              8  "Buildings, Equipment, And Support
                32  "Equipment,Vehicles, Training, And
                1  "Facilities, Car, Furniture"
                4  "Furniture, Electrical Fixtures, Air
                  Conditioner, Air Cooler, Refrigerator,
                  Centrifuge, Computer, Needle And Syringe
                  Destroyer, Hot Air Oven, Micropipette,
                  Weighing Machine, Infantometer And
                  Public Address System "
                7  "Non-Client Staf Time, Office Equipment,
                  Physical Infrastructure, Transportation
                  Costs, Public Utilities And Running
                  Costs, Maintenance And Repair, Staff
                  Training And Volunteers, Local Medical
                  And Other Supply Costs, Vehicle Costs"
               10  "Non-Clinical Labour, Office Supplies,
                  Physical Infrastructure (Clinic Rent,
                  Electricity, Water, Etc.), Equipment And
                  Furniture"
                8  "None"

```



```

1 "Phone, Internet, Fuel, Insurance,
  External Services (E.G. Cleaning,
  Gardening), External Quality Assurance,
  Buidling Maintenance, Equipment &
  Maintenance, "

```

warning: variable has embedded and trailing blanks

---

```

pot_distortions                                     Potential distortions

```

---

type: string (str2), but longest is str1

unique values: 1 missing "": 0/71

```

tabulation: Freq. Value
              71  "."

```

---

```

volunteer_time                                     Valuing Volunteer Time

```

---

type: string (str18)

unique values: 3 missing "": 0/71

```

tabulation: Freq. Value
              22  "."
              10  "Proxy"
              39  "Valued - Method Nr"

```

warning: variable has embedded blanks

---

```

family_time                                         Valuing Family Time

```

---

type: string (str3), but longest is str1

unique values: 1 missing "": 0/71

```

tabulation: Freq. Value
              71  "."

```

---

```

px_costs_measured                                 Patient-Incurred Costs Measured

```

---

type: string (str12)

unique values: 1 missing "": 0/71

```

tabulation: Freq. Value

```

71 "Not Included"

warning: variable has embedded blanks

---

cat_cost	Catastrophic Cost Calculated
----------	------------------------------

---

type: string (str3), but longest is str2

unique values: 2 missing "": 0/71

tabulation:	Freq.	Value
	9	"."
	62	"No"

---

currency_yr	Reported Currency Year
-------------	------------------------

---

type: numeric (int)

range:	[2005,2013]	units:	1
unique values:	8	missing .:	0/71

tabulation:	Freq.	Value
	4	2005
	1	2007
	10	2008
	8	2009
	7	2010
	24	2011
	16	2012
	1	2013

---

iso_code	Reported Currency
----------	-------------------

---

type: string (str3)

unique values: 8 missing "": 0/71

tabulation:	Freq.	Value
	7	"GHS"
	4	"INR"
	8	"KES"
	8	"RWF"
	23	"USD"
	1	"XAF"
	8	"ZAR"
	12	"ZMW"

currency\_iso Currency of Data Collection

type: string (str3)  
unique values: 10 missing "": 0/71  
examples: "KES"  
"NAD"  
"USD"  
"ZMW"

currency\_x Currency Exchange Method

type: string (str29)  
unique values: 3 missing "": 0/71  
tabulation: Freq. Value  
5 "."  
34 "Market Only"  
32 "Traded/Market, Non-Traded Ppp"  
warning: variable has embedded blanks

current\_x\_rate Currency Exchange Rate

type: numeric (double)  
range: [1.4738,4861] units: .0001  
unique values: 10 missing .: 15/71  
mean: 1196.71  
std. dev: 1944.55  
percentiles: 10% 25% 50% 75% 90%  
1.4738 8.21 88.81 614.3 4860.7

discount\_rate Discount Rate

type: numeric (double)  
range: [.12,3] units: .01  
unique values: 2 missing .: 60/71  
tabulation: Freq. Value  
10 .12  
1 3

---

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

---

```

type: string (str2), but longest is str1
unique values: 1 missing "": 0/71
tabulation: Freq. Value
              71  "."

```

---

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

---

```

type: numeric (double)
range: [2.6040832,74730.306] units: 1.000e-08
unique values: 69 missing .: 0/71
mean: 1948.11
std. dev: 8832.23
percentiles: 10% 25% 50% 75% 90%
              23.9905 59.4443 600.423 1366.04 2450.4

```

---

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

---

```

type: numeric (double)
range: [2.0768554,4122.6201] units: 1.000e-07
unique values: 16 missing .: 52/71
mean: 342.486
std. dev: 927.793
percentiles: 10% 25% 50% 75% 90%
              2.42487 4.12003 15.4922 321.84 332.296

```

---

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

---

```

type: numeric (double)
range: [73.25708,4122.6201] units: .00001
unique values: 6 missing .: 62/71
tabulation: Freq. Value
              1 73.25708

```

```

3 181.76193
2 190.53467
1 199.46151
1 200.99151
1 4122.6201
62 .

```

---

si\_per\_support

---

Personnel: Support (SI)

---

```

type: numeric (double)

range: [122.86239,122.86239]      units: 1
unique values: 1                  missing .: 64/71

tabulation: Freq. Value
              7 122.86239
              64 .

```

---

si\_per\_mixed\_unspec

---

Personnel: Mixed Unspecified (SI)

---

```

type: numeric (double)

range: [2.0768554,15.492219]     units: 1.000e-07
unique values: 11                 missing .: 54/71

mean: 7.32429
std. dev: 3.84697

percentiles:      10%      25%      50%      75%      90%
                  2.42487  4.12003  8.44252  8.44252  14.7401

```

---

si\_recurrent

---

Recurrent Goods (SI)

---

```

type: numeric (double)

range: [4.4343672,56176.43]      units: 1.000e-08
unique values: 16                 missing .: 52/71

mean: 3269.57
std. dev: 12817.7

percentiles:      10%      25%      50%      75%      90%
                  4.46805  9.12694  19.8256  830.559  836.294

```

---

si\_rec\_key\_drugs

---

Recurring: Supplies (key drugs) (SI)

---

```

type: numeric (double)

range: [194.58911,56176.43]      units: .00001
unique values: 6                missing .: 62/71

```

```

tabulation: Freq. Value
              1 194.58911
              1 542.82015
              3 656.26038
              2 661.32369
              1 661.35671
              1 56176.43
             62 .

```

---

```

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

```

---

```

type: numeric (double)

range: [2.2892838,92.240351]    units: 1.000e-07
unique values: 5                missing .: 63/71

```

```

tabulation: Freq. Value
              1 2.2892838
              1 16.565838
              3 91.601934
              2 91.943157
              1 92.240351
             63 .

```

---

```

si_rec_nonmed_int_supplies      Recurring: Non-medical Supplies (SI)

```

---

```

type: numeric (float)

range: [.,.]                    units: .
unique values: 0                missing .: 71/71

```

```

tabulation: Freq. Value
              71 .

```

---

```

si_rec_building_space          Recurring: Building Space (SI)

```

---

```

type: numeric (double)

range: [12.030871,12.030871]    units: 1
unique values: 1                missing .: 64/71

```

```

tabulation: Freq. Value
              7 12.030871

```

---

si_rec_other	Recurring: Other (SI)
--------------	-----------------------

---

```

      type: numeric (double)

      range: [4.4343672,70.666236]      units: 1.000e-07
unique values: 11                      missing .: 54/71

      mean: 35.3647
      std. dev: 30.7606

percentiles:      10%      25%      50%      75%      90%
                  4.46805  9.12694  17.3558  70.6662  70.6662

```

---

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

---

```

      type: numeric (double)

      range: [3.1770275,148.80344]      units: 1.000e-12
unique values: 10                      missing .: 53/71

      mean: 42.0255
      std. dev: 44.5809

percentiles:      10%      25%      50%      75%      90%
                  3.41278  5.04058  9.31778  78.4043  78.4043

```

---

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

---

```

      type: numeric (double)

      range: [64.6563,80.12493]      units: .00001
unique values: 2                      missing .: 63/71

      tabulation: Freq. Value
                  7  64.656303
                  1  80.124931
                  63  .

```

---

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

---

```

      type: numeric (double)

      range: [6.5162635,6.5162635]      units: 1
unique values: 1                      missing .: 64/71

```

```

tabulation: Freq. Value
              7  6.5162635
             64  .

```

---

```

si_cap_building_space                                     Capital: Building Space (SI)

```

---

```

type: numeric (double)

range: [4.5459743,45.785675]      units: 1.000e-07
unique values: 2                  missing .: 63/71

```

```

tabulation: Freq. Value
              7  4.5459743
              1  45.785675
             63  .

```

---

```

si_cap_vehicles                                           Capital: Vehicles (SI)

```

---

```

type: numeric (double)

range: [2.6857574,13.735703]     units: 1.000e-07
unique values: 2                  missing .: 63/71

```

```

tabulation: Freq. Value
              7  2.6857574
              1  13.735703
             63  .

```

---

```

si_cap_other                                              Capital: Other (SI)

```

---

```

type: numeric (double)

range: [3.1770275,10.653707]     units: 1.000e-10
unique values: 9                  missing .: 60/71

```

```

tabulation: Freq. Value
              1  3.1770275
              1  3.4127787
              1  3.5025887
              1  4.2659733
              2  5.0405843
              1  7.7685618
              2  7.9818609
              1  9.157135
              1  10.653707
             60  .

```



---

si_mixed	Mixed (SI)
----------	------------

---

```

type: numeric (double)

range: [56.079531,14946.061]      units: 1.000e-15
unique values: 8                  missing .: 59/71

```

```

tabulation: Freq. Value
              2  56.079531
              1  92.746914
              1  198.43525
              1  256.93011
              3  535.73152
              2  555.30232
              1  576.07291
              1  14946.061
             59  .

```

---

si_unspecified	Unspecified (SI)
----------------	------------------

---

```

type: numeric (double)

range: [0,26.426582]      units: 1.000e-07
unique values: 9          missing .: 61/71

```

```

tabulation: Freq. Value
              2  0
              1  2.9075975
              1  3.1321225
              1  6.679616
              1  6.7020688
              1  24.461988
              1  24.854908
              1  25.842817
              1  26.426582
             61  .

```

---

si_uns_med_int_supplies	Unspecified: Medical supplies (excluding drugs) (SI)
-------------------------	---

---

```

type: numeric (double)

range: [0,26.426582]      units: 1.000e-07
unique values: 9          missing .: 61/71

```

```

tabulation: Freq. Value
              2  0
              1  2.9075975

```

```

1 3.1321225
1 6.679616
1 6.7020688
1 24.461988
1 24.854908
1 25.842817
1 26.426582
61 .

```

---

```

a_primary_sd Primary Service Delivery (A)

```

---

```

type: numeric (double)

range: [4.4343672,66998.829] units: 1.000e-15
unique values: 19 missing : 48/71

mean: 3354.34
std. dev: 13887.3

percentiles:      10%      25%      50%      75%      90%
                  5.13039  11.7427  56.0795  1373.75  1407.16

```

---

```

a_prisd_lab_monitoring Primary SD: Routine Lab Monitoring (A)

```

---

```

type: numeric (double)

range: [256.93011,6699.7788] units: .00001
unique values: 5 missing : 63/71

tabulation: Freq. Value
              1 256.93011
              3 535.73152
              2 555.30232
              1 576.07291
              1 6699.7788
              63 .

```

---

```

a_prisd_lab_services Primary SD: Laboratory Services (A)

```

---

```

type: numeric (double)

range: [4.4343672,19.82555] units: 1.000e-07
unique values: 10 missing : 61/71

mean: 10.6537
std. dev: 5.86608

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

```

4.45121 5.13039 10.4348 17.1537 18.5907

---

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

---

type: numeric (double)

range: [743.81166,60299.05] units: .00001  
unique values: 5 missing : 63/71

tabulation: Freq. Value

1	743.81166
3	838.0223
2	851.85836
1	860.81822
1	60299.05
63	.

---

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

---

type: numeric (double)

range: [56.079531,267.84619] units: 1.000e-15  
unique values: 4 missing : 66/71

tabulation: Freq. Value

2	56.079531
1	92.746914
1	198.43525
1	267.84619
66	.

---

a\_secondary\_sd Secondary Service Delivery (A)

---

type: numeric (double)

range: [.,.] units: .  
unique values: 0 missing : 71/71

tabulation: Freq. Value

71	.
----	---

---

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

---

type: numeric (double)

range: [.,.] units: .

unique values: 0 missing .: 71/71

tabulation: Freq. Value  
71 .

---

unspecified\_healthfac facility\_cat==Unspecified health care facility type

---

type: numeric (byte)

range: [0,1] units: 1  
unique values: 2 missing .: 0/71

tabulation: Freq. Value  
70 0  
1 1

---

a\_ancillary Ancillary (A)

---

type: numeric (double)

range: [82.414215,158.10745] units: 1.000e-06  
unique values: 5 missing .: 63/71

tabulation: Freq. Value  
1 82.414215  
1 82.432934  
3 157.46903  
2 157.81025  
1 158.10745  
63 .

---

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

---

type: numeric (float)

range: [.,.] units: .  
unique values: 0 missing .: 71/71

tabulation: Freq. Value  
71 .

---

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

---

type: numeric (double)

range: [82.414215,82.414215] units: 1.000e-06

unique values: 1 missing .: 70/71

tabulation: Freq. Value  
1 82.414215  
70 .

---

a\_anc\_adhreten Ancillary: Adherence/Retention (A)

---

type: numeric (float)

range: [.,.] units: .  
unique values: 0 missing .: 71/71

tabulation: Freq. Value  
71 .

---

a\_anc\_unspecified Ancillary: Unspecified (A)

---

type: numeric (double)

range: [82.432934,158.10745] units: 1.000e-06  
unique values: 4 missing .: 64/71

tabulation: Freq. Value  
1 82.432934  
3 157.46903  
2 157.81025  
1 158.10745  
64 .

---

a\_mix\_mixed Ancillary: Mixed (A)

---

type: numeric (double)

range: [0,26.426582] units: 1.000e-07  
unique values: 9 missing .: 61/71

tabulation: Freq. Value  
2 0  
1 2.9075975  
1 3.1321225  
1 6.679616  
1 6.7020688  
1 24.461988  
1 24.854908  
1 25.842817  
1 26.426582  
61 .

---

a\_operational Operational (A)

---

type: numeric (double)

range: [2.0768554,8246.2822] units: 1.000e-07  
unique values: 13 missing : 52/71

mean: 524.534  
std. dev: 1872.88

percentiles:       10%       25%       50%       75%       90%  
                  2.42487   4.12003   15.4922   226.539   226.539

---

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

---

type: numeric (double)

range: [68.67851,8246.2822] units: .00001  
unique values: 3 missing : 62/71

tabulation: Freq. Value  
                  1 68.678513  
                  7 72.38336  
                  1 8246.2822  
                 62 .

---

a\_ope\_logistics Operational: Logistics (A)

---

type: numeric (float)

range: [.,.] units: .  
unique values: 0 missing : 71/71

tabulation: Freq. Value  
                 71 .

---

a\_ope\_program\_mgmt Operational: Program Management (A)

---

type: numeric (double)

range: [24.568075,24.568075] units: 1  
unique values: 1 missing : 64/71

tabulation: Freq. Value  
                 7 24.568075

64 .

---

a\_ope\_supervision Operational: Supervision (A)

---

type: numeric (double)

range: [98.294312,98.294312] units: 1  
unique values: 1 missing .: 64/71

tabulation: Freq. Value  
7 98.294312  
64 .

---

a\_ope\_training Operational: Training (A)

---

type: numeric (double)

range: [.77050412,.77050412] units: 1  
unique values: 1 missing .: 64/71

tabulation: Freq. Value  
7 .77050412  
64 .

---

a\_ope\_transportation Operational: Transportation (A)

---

type: numeric (double)

range: [12.030871,12.030871] units: 1  
unique values: 1 missing .: 64/71

tabulation: Freq. Value  
7 12.030871  
64 .

---

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

---

type: numeric (double)

range: [6.4612274,6.4612274] units: 1  
unique values: 1 missing .: 64/71

tabulation: Freq. Value  
7 6.4612274  
64 .

---

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

---

type: numeric (float)

range: [.,.] units: .

unique values: 0 missing .: 71/71

tabulation: Freq. Value

71 .

---

a\_ope\_unspecified Operational: Unspecified (A)

---

type: numeric (double)

range: [2.0768554,15.492219] units: 1.000e-07

unique values: 11 missing .: 54/71

mean: 8.80185

std. dev: 4.65016

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

2.42487 4.12003 12.0309 12.0309 14.7401

---

a\_mixed Mixed (A)

---

type: numeric (double)

range: [0,26.426582] units: 1.000e-07

unique values: 9 missing .: 61/71

tabulation: Freq. Value

2 0

1 2.9075975

1 3.1321225

1 6.679616

1 6.7020688

1 24.461988

1 24.854908

1 25.842817

1 26.426582

61 .

---

a\_unspecified Unspecified (A)

---

type: numeric (double)



range: [3.1770275,10.653707] units: 1.000e-10  
unique values: 8 missing .: 61/71

tabulation: Freq. Value  
1 3.1770275  
1 3.4127787  
1 3.5025887  
1 4.2659733  
2 5.0405843  
1 7.7685618  
2 7.9818609  
1 10.653707  
61 .

---

flag (unlabeled)

---

type: numeric (float)

range: [.,.] units: .  
unique values: 0 missing .: 71/71

tabulation: Freq. Value  
71 .

---

flag\_1 (unlabeled)

---

type: numeric (float)

range: [1,1] units: 1  
unique values: 1 missing .: 61/71

tabulation: Freq. Value  
10 1  
61 .

---

flag\_2 (unlabeled)

---

type: numeric (float)

range: [1,1] units: 1  
unique values: 1 missing .: 59/71

tabulation: Freq. Value  
12 1  
59 .

---

flag\_3 (unlabeled)

---

---

```

        type: numeric (float)

        range: [1,1]                units: 1
unique values: 1                missing .: 69/71

        tabulation: Freq. Value
                     2 1
                     69 .

```

---

```

flag_4                                                    (unlabeled)

```

---

```

        type: numeric (float)

        range: [1,1]                units: 1
unique values: 1                missing .: 70/71

        tabulation: Freq. Value
                     1 1
                     70 .

```

---

```

flag_5                                                    (unlabeled)

```

---

```

        type: numeric (float)

        range: [.,.]                units: .
unique values: 0                missing .: 71/71

        tabulation: Freq. Value
                     71 .

```

---

```

flag_6                                                    (unlabeled)

```

---

```

        type: numeric (float)

        range: [.,.]                units: .
unique values: 0                missing .: 71/71

        tabulation: Freq. Value
                     71 .

```