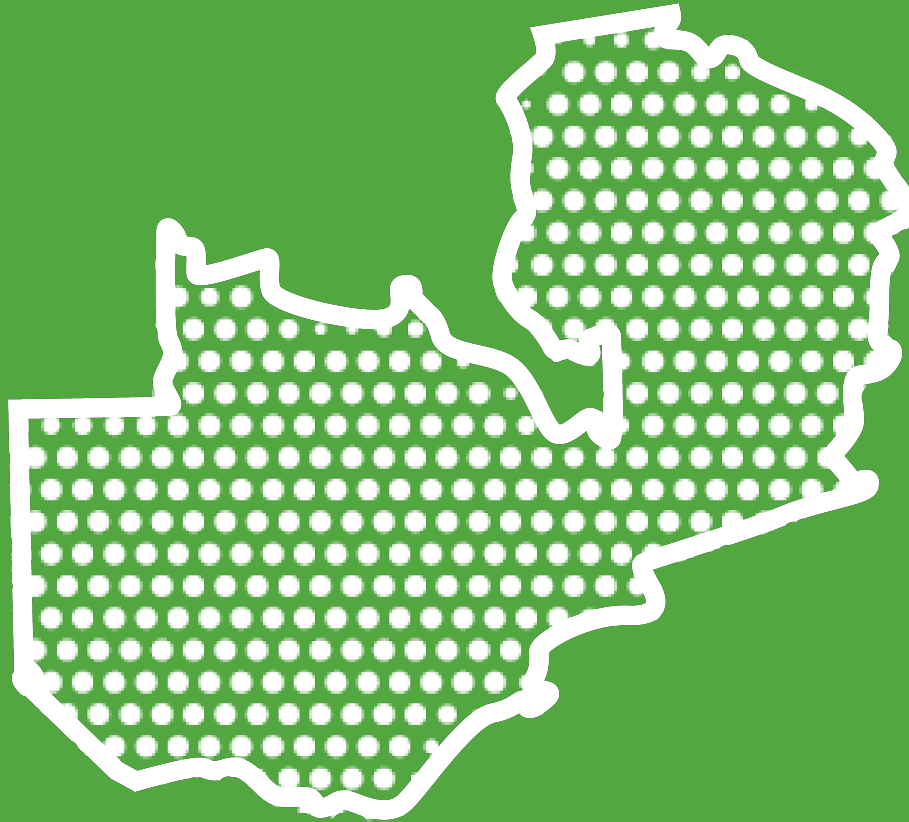


ZAMPHIA

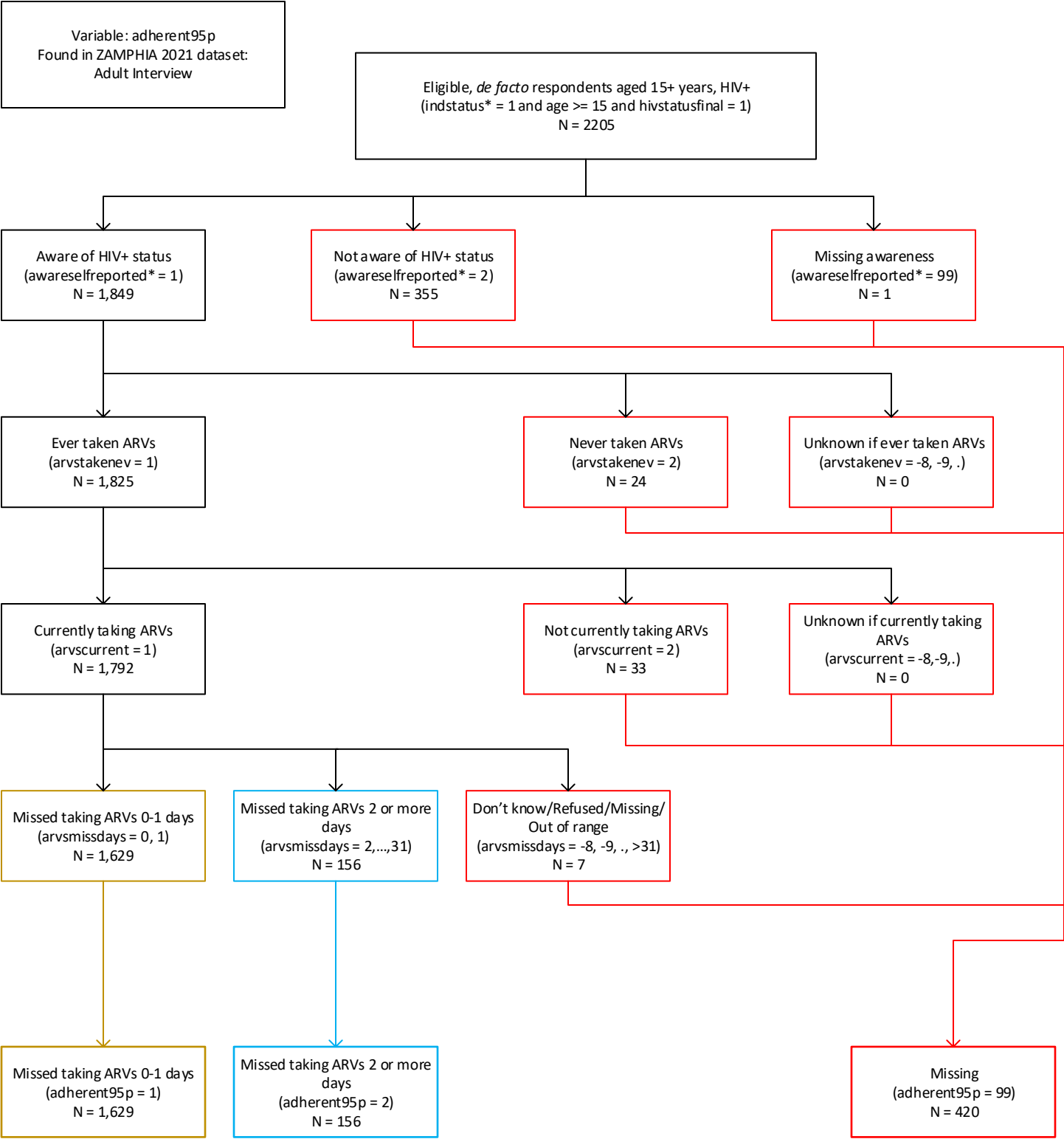
ZAMBIA POPULATION-BASED HIV IMPACT ASSESSMENT 2021



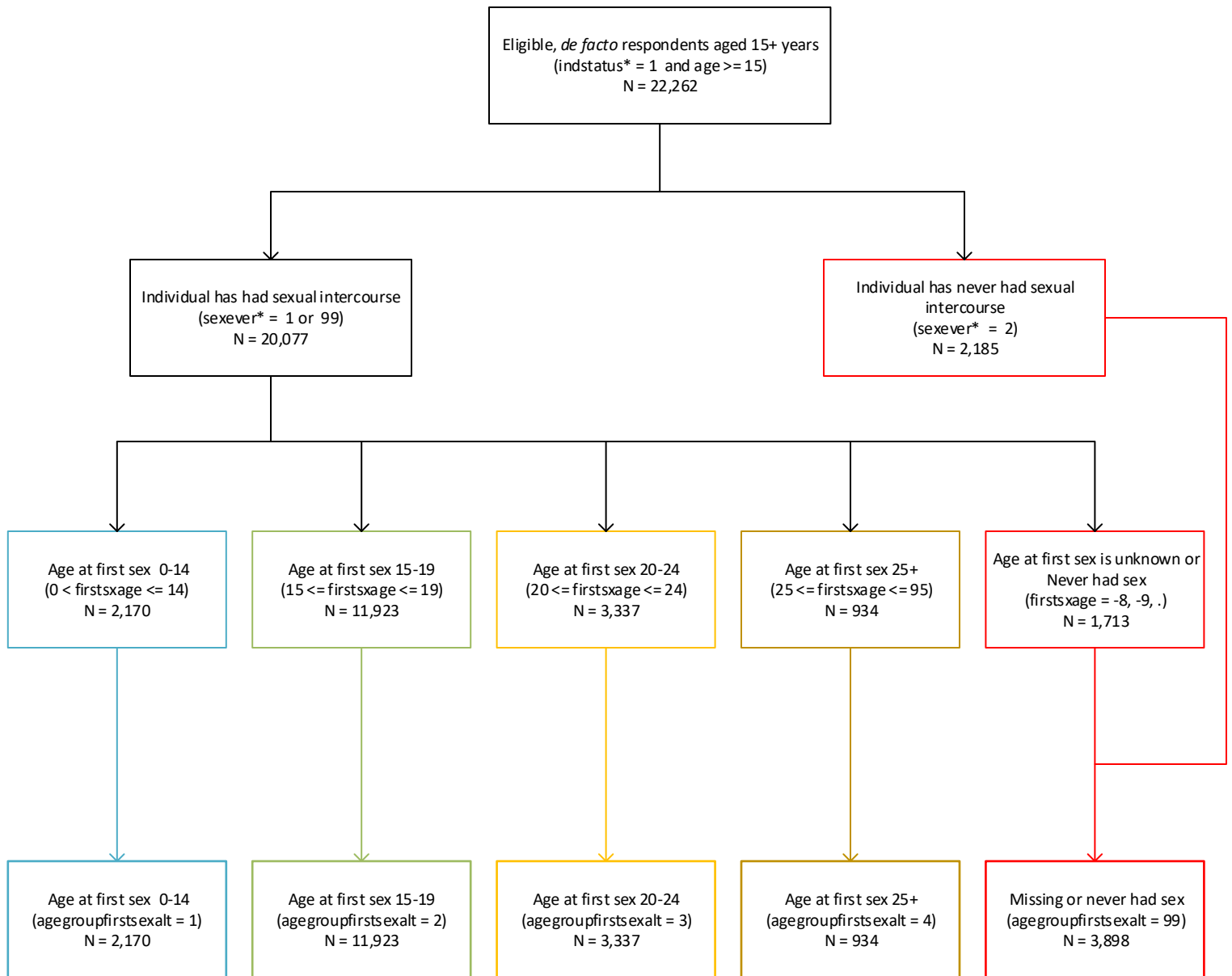
DATA MANUAL
SUPPLEMENT
FLOW DIAGRAMS

PARTNERS





Variable: agegroupfirstsexalt
Found in ZAMPHIA 2021 dataset:
Adult Interview



Variable: agegroupmonthslastchild
 Found in ZAMPHIA 2021 dataset:
 Adult Interview

Eligible, *de facto* respondents aged 15+ years
 (indstatus* = 1 and age >= 15)
 N = 22,262

Female
 (gender = 2)
 N = 12,579

Male
 (gender = 1)
 N = 9,683

Woman is a mother
 (mother* = 1)
 N = 10,117

Woman is not a mother
 (mother* = 2)
 N = 2,438

Woman is missing
 information on whether she
 is a mother
 (mother* = 99)
 N = 24

Gave birth to one or more
 children since 2017
 (childa2017 > 0)
 N = 3,970

Gave birth to 0 children
 since 2017
 (childa2017 = 0)
 N = 6,133

Missing information to how
 many children she gave birth
 to
 (childa2017 = -8, -9, .)
 N = 14

Last born
 0-1 months
 N = 247

Last born
 2-3 months
 N = 256

Last born
 4-5 months
 N = 191

Last born
 6-8 months
 N = 315

Last born
 9-11 months
 N = 313

Last born
 12-17 months
 N = 571

Last born
 18-23 months
 N = 490

Last born
 24+ months
 N = 1,537

Last born
 Interview date – birth date is
 missing
 N = 50

(agegroupmonthslastchild = 1)
 N = 247

(agegroupmonthslastchild = 2)
 N = 256

(agegroupmonthslastchild = 3)
 N = 191

(agegroupmonthslastchild = 4)
 N = 315

(agegroupmonthslastchild = 5)
 N = 313

(agegroupmonthslastchild = 6)
 N = 571

(agegroupmonthslastchild = 7)
 N = 490

(agegroupmonthslastchild = 8)
 N = 1,537

Missing
 (agegroupmonthslastchild = 99)
 N = 18,342

Variable: allpartspouselivein12mo
Found in ZAMPHIA 2021 dataset:
Adult Interview

Eligible, *de facto* respondents aged 15+ years
(indstatus* = 1 and age >= 15)
N = 22,262

Has had sex in the past 12 months
(sex12months* = 1)
N = 15,935

Has not had sex in the past 12 months
(sex12months* = 2)
N = 6,135

Missing whether had sex in the past 12 months
(sex12months* = 99)
N = 192

Partner 1 was their husband / wife or
livein partner
(partrelation1 = 1 or 2)
N = 11,593

Partner 1, not living with them
(partrelation1 = 3, 4, 5, 6, 7, 8, 9, or 96)
N = 4,283

Don't know or refused to indicate
relationship
(partrelation1 = -8 or -9)
N = 3

Missing partner
relationship data
(partrelation1 = .)
N = 56

Don't know or refused
to indicate relationship
(partrelation2 = -8,-9)
N = 0

Missing Partner 2
relationship data
(partrelation2 = .)
N = 10,717

Partner 2 was their
husband / wife or
livein partner
(partrelation2 = 1 or 2)
N = 363

Partner 2, not living
with them
(partrelation2 = 3,
4, 5, 6, 7, 8, 9, or 96)
N = 513

Partner 2, not living
with them
(partrelation2 = 3,
4, 5, 6, 7, 8, 9, or 96)
N = 0

Don't know or refused
to indicate relationship
(partrelation2 = -8,-9)
N = 0

Partner 2 was their
husband / wife or
livein partner
(partrelation2 = 1 or 2)
N = 0

Missing Partner2
relationship data
(partrelation2 = .)
N = 3

Missing Partner 3
relationship data
(partrelation3 = .)
N = 0

Missing Partner 3
relationship data
(partrelation3 = -,-9)
N = 285

Partner 3 was their
husband / wife or
livein partner
(partrelation3 = 1 or 2)
N = 55

Partner 3, not living
with them
(partrelation3 = 3, 4, 5,
6, 7, 8, 9, or 96)
N = 22

Partner 3, not living
with them
(partrelation3 = 3, 4, 5,
6, 7, 8, 9, or 96)
N = 0

Missing Partner3
relationship data
(partrelation3 = .)
N = 0

All partners in the past 12 months were
a spouse or live-in partner
(allpartspouselivein12mo = 1)
N = 11,058

At least one partner in the past 12
months was a non-marital
non-cohabitating partner
(allpartspouselivein12mo = 2)
N = 4,818

Missing
(allpartspouselivein12mo = 99)
N = 6,386

Variable: anlastchild
Found in ZAMPHIA 2021 dataset:
Adult Interview

Eligible, *de facto* respondents aged 15+ years
(indstatus* = 1 and age >= 15)
N = 22,262

Female
(gender = 2)
N = 12,579

Male
(Gender = 1)
N = 9,683

Woman is a mother
(mother* = 1)
N = 10,117

Woman is not a mother
(mother* = 2)
N = 2,438

Woman is missing
information on whether she
is a mother
(mother* = 99)
N = 24

Gave birth to one or more
children in last 3 years
(delivered3years* = 1)
N = 3,413

Gave birth to 0 children in
last 3 years
(delivered3years* = 2)
N = 6,672

Mothers missing data on last
delivery
(delivered3years* = 3)
N = 32

Visited health facility for
antenatal care while pregnant
with her last child
(pregcare = 1)
N = 3,351

Did not visit health facility
for antenatal care while
pregnant with her last child
(pregcare = 2)
N = 62

Don't know/ refused/
missing if visited health
facility for antenatal care
while pregnant with her last
child
(pregcare = -8, -9, or .)
N = 0

Mother who gave birth in last
3 years received antenatal
care during her last pregnancy
(anlastchild = 1)
N = 3,351

Mother who gave birth in last
3 years did not receive
antenatal care during her last
pregnancy
(anlastchild = 2)
N = 62

Mother with missing data on
antenatal care during her last
pregnancy
(anlastchild = 3)
N = 6,704

Men and non-mothers
(anlastchild = 99)
N = 12,145

Variable: art
Found in ZAMPHIA 2021
dataset:
Adult Biomarker

Eligible, *de facto* respondents aged 15+ years,
HIV+
(15 <= age, indstatus = 1, hivstatusfinal=1)
N = 2,205

ARVs detected in blood
(arvstatus* = 1)
N = 1,829

ARVs not detected in
blood, or missing results
(arvstatus* = 2, 99)
N = 376

Self-reported unaware of
HIV+ status
(awareselfreported* = 2)
N = 256

Self-reported aware of
HIV+ status, or missing
(awareselfreported* = 1,
99)
N = 120

Self-reported on ART
(artselfreported* = 1)
N = 78

Self-reported not on ART
(artselfreported* = 2)
N = 42

Missing self-reported ART
status
(artselfreported* = 99)
N = 0

On ART
(art = 1)
N = 1,907

Not on ART
(art = 2)
N = 298

Missing
(art = 99)
N = 0



Variable: artinitiated12months
Found in ZAMPHIA 2021 dataset:
Adult Interview

Eligible, *de facto* respondents aged 15+ years
(indstatus* = 1 and age >= 15)
N = 22,262

HIV test positive
(hivstatusfinal = 1)
N = 2205

HIV test negative or not
tested
(hivstatusfinal = 2, 99, .)
N = 20,057

Currently taking ARVs
(arvscurrent = 1)
N = 1792

Currently taking ARVs missing
or unknown
(arvscurrent = -8, -9, or .)
N = 380

Not currently taking ARVs
(arvscurrent = 2)
N = 33

Valid month and year of
starting ARVs available
(arvftm > 0 and arvfty > 0)
N = 1,384

Missing month of starting
ARVs but non-missing year
(arvftm = . and arvfty > 0)
N = 371

Missing year of starting ARVs
(arvfty = .)
N = 37

Difference in
months between
ART start date and
surveystdt >=12
N = 1,231

Difference in
months between
ART start date and
surveystdt <12
N = 153

Difference in years
between ART start
date and surveystdt
> 1
N = 355

Started ART in the
same year as the
survey
N = 6

Started ART in the
year prior to survey
unable to determine
whether art is
initiated in the
previous 12 months
N = 10

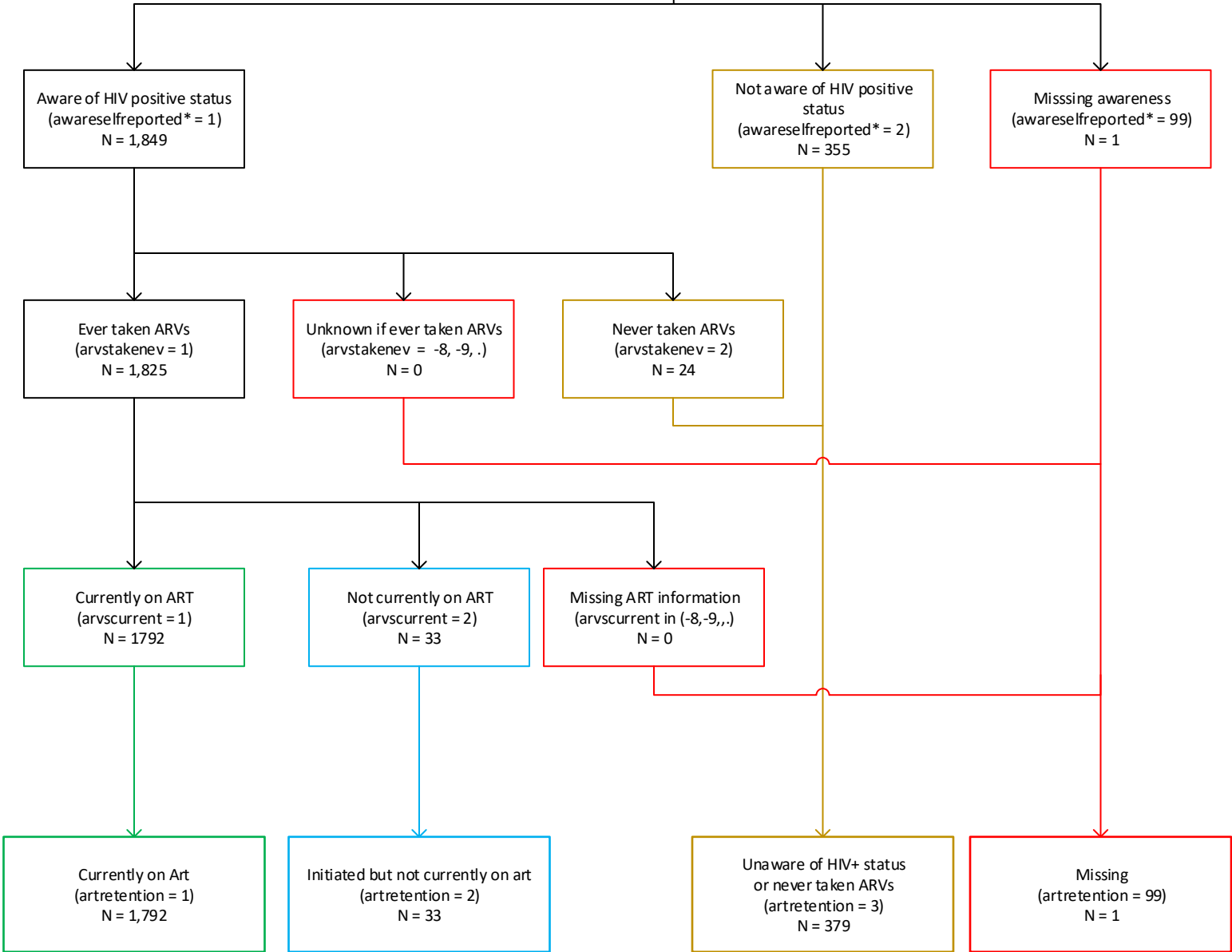
Self reported initiated ART 12
months or more prior to survey
(artinitiated12months = 2)
N = 1,586

Self reported initiated ART less than
12 months prior to survey
(artinitiated12months = 1)
N = 159

Missing
(artinitiated12months = 99)
N = 20,517

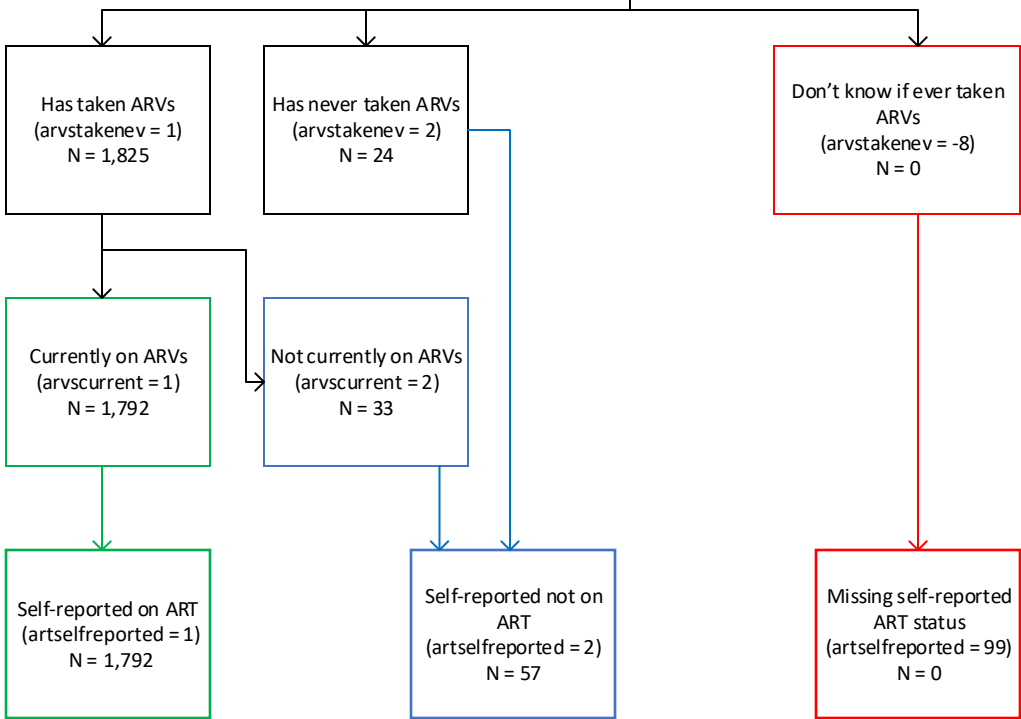
Variable: artretention
Found in ZAMPHIA 2021 dataset:
Adult Interview

Eligible, *de facto* respondents aged 15+ years, HIV+
(indstatus* = 1 and age >= 15 and hivstatusfinal = 1)
N = 2,205



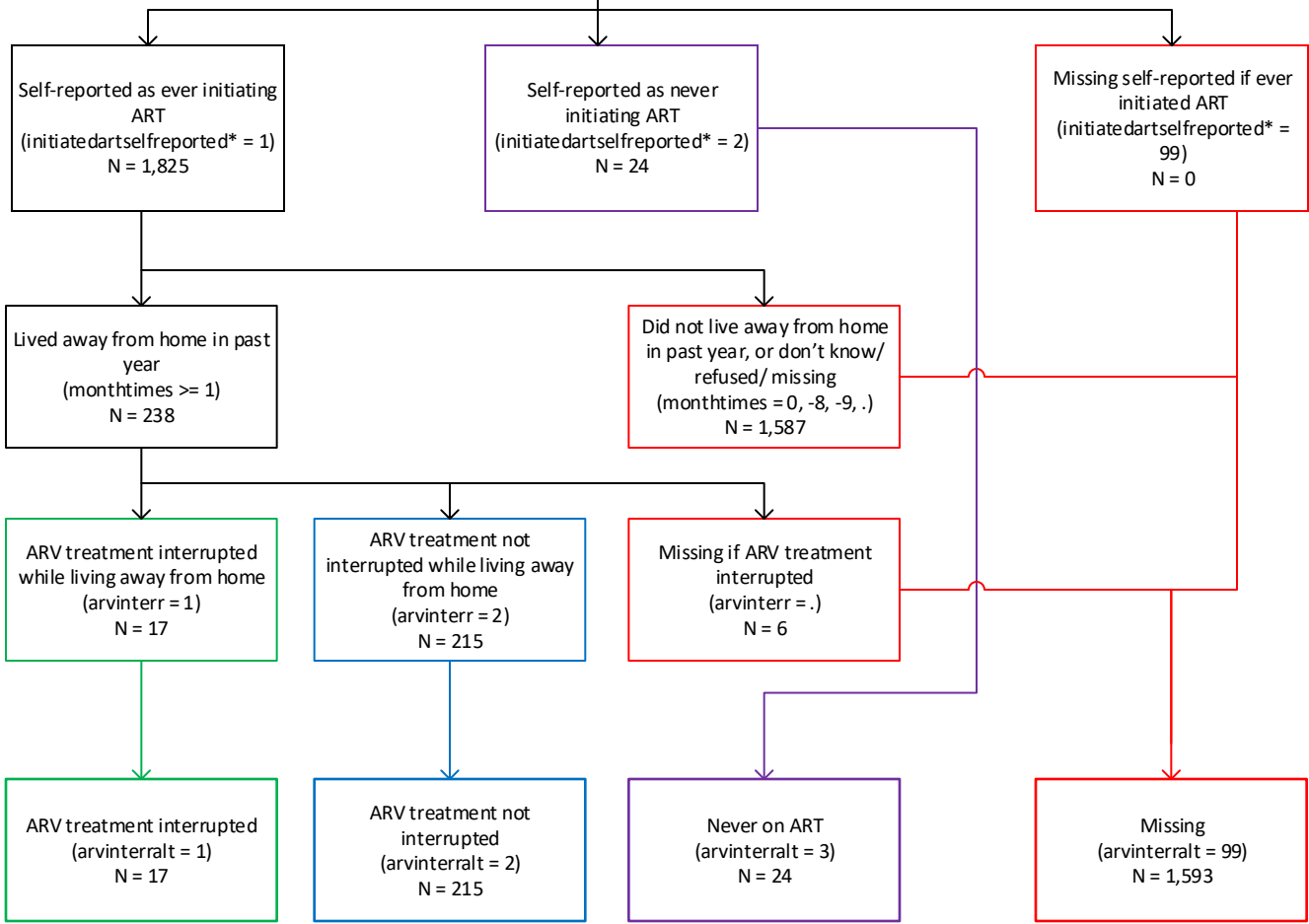
Variable: artselfreported
Found in ZAMPHIA 2021
dataset:
Adult Biomarker

Eligible, *de facto* respondents aged 15+ years,
HIV+, self-reported aware HIV+
(15 <= age, indstatus* = 1, hivstatusfinal* = 1,
awareselfreported* = 1)
N = 1,849



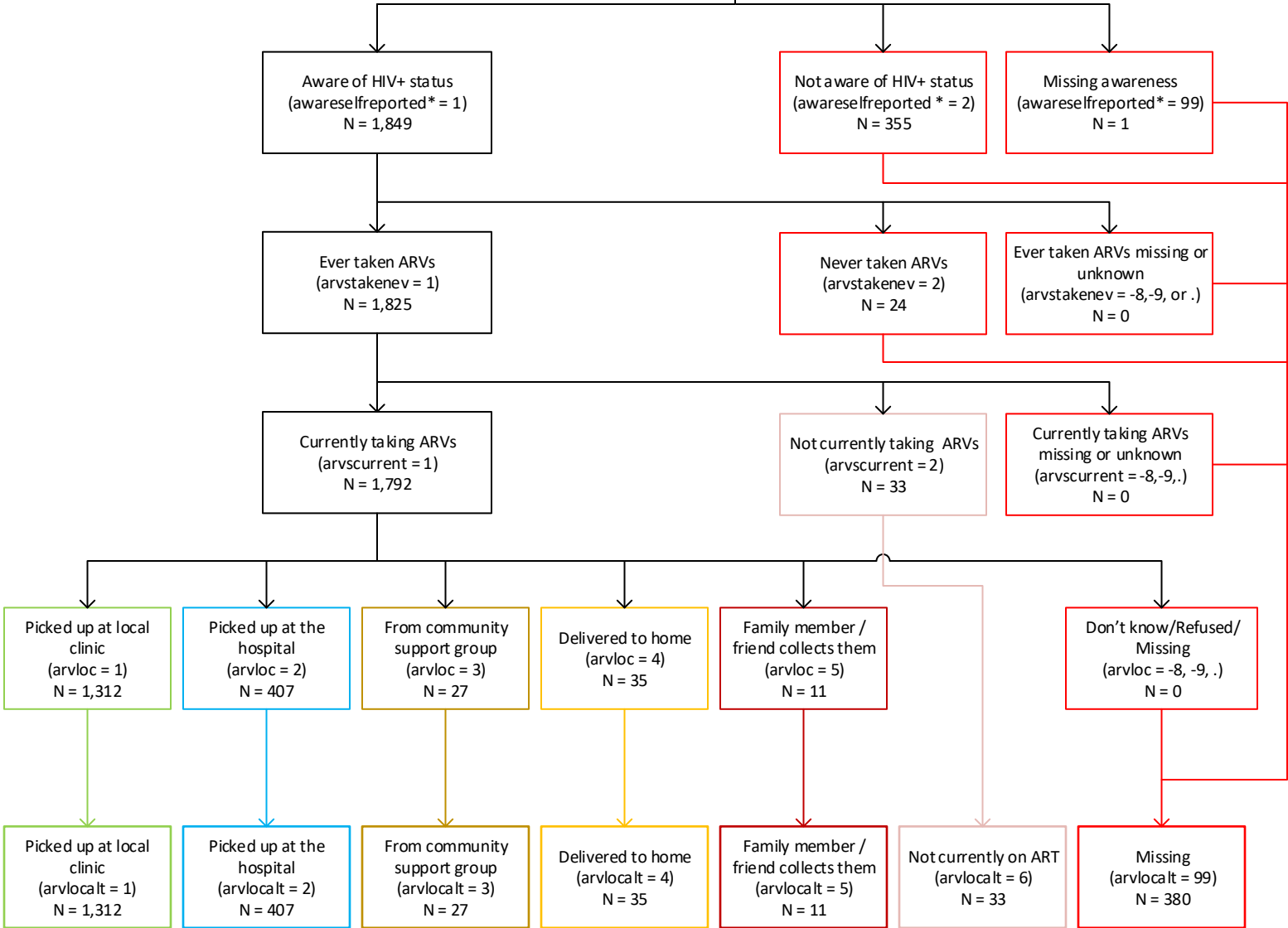
Variable: arvinterralt
Found in ZAMPHIA 2021
dataset:
Adult Interview

Eligible, *de facto* respondents aged 15+ years,
HIV+, self-reported aware HIV+
(15 <= age, indstatus* = 1, hivstatusfinal* = 1,
awareselfreported* = 1)
N = 1,849



Variable: arvlocalt
 Found in ZAMPHIA 2021 dataset:
 Adult Interview

Eligible, *de facto* respondents aged 15+ years, HIV+
 (indstatus* = 1 and hivstatusfinal = 1 and age >= 15)
 N = 2,205



Variable: arvspregnancydetail
Found in ZAMPHIA 2021 dataset:
Adult Interview

Females eligible, *de facto* respondents aged 15+ years
(indstatus* = 1 and gender = 2 and age >=15)
N = 12,579

Any children born since 2017
(childa2017 > 0)
N = 3,970

No children born since 2017
(childa2017 = 0)
N = 6,133

Unknown if any children born since 2017
(childa2017 = ., -8, -9)
N = 2,476

Self-reported HIV+ during last pregnancy, labor, or
delivery
(hivstatuslastpregnancy* = 1)
N = 318

Self-reported HIV- during last pregnancy, labor,
or delivery
(hivstatuslastpregnancy* = 2)
N = 3,501

Unknown HIV status during last pregnancy,
labor, or delivery
(hivstatuslastpregnancy* = 99)
N = 151

Already taking ARVs at first antenatal
visit
(arvfst = 1)
N = 209

Not already taking ARVs or unknown
(arvfst ne 1)
N = 109

ARVs during pregnancy
(arvtpkg = 1)
N = 94

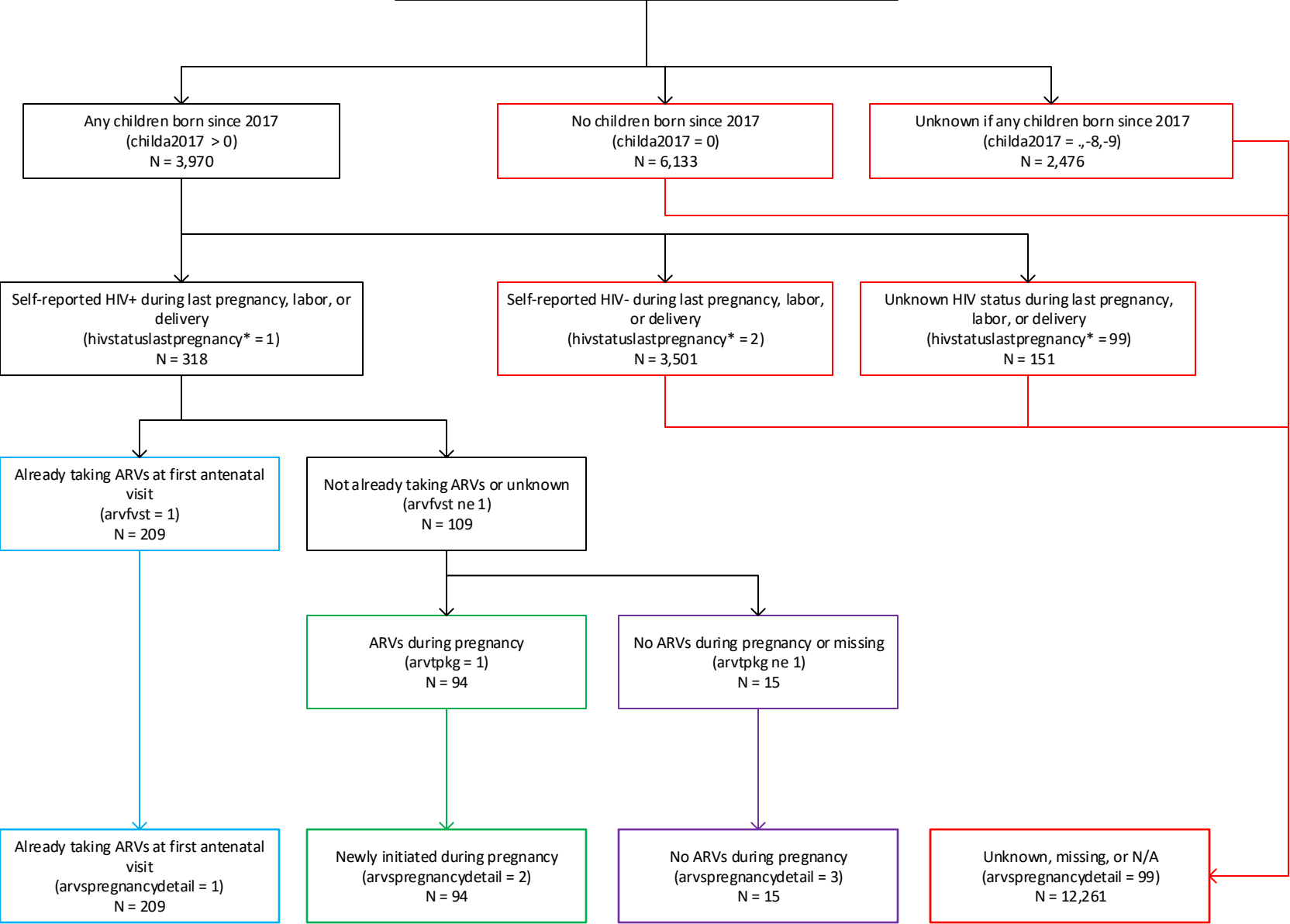
No ARVs during pregnancy or missing
(arvtpkg ne 1)
N = 15

Already taking ARVs at first antenatal
visit
(arvspregnancydetail = 1)
N = 209

Newly initiated during pregnancy
(arvspregnancydetail = 2)
N = 94

No ARVs during pregnancy
(arvspregnancydetail = 3)
N = 15

Unknown, missing, or N/A
(arvspregnancydetail = 99)
N = 12,261



Variable: arvstatus
Found in ZAMPHIA 2021
dataset:
Adult Biomarker

Eligible, *de facto* respondents aged
15+ years, HIV+
(15 <= age, indstatus* = 1,
hivstatusfinal* = 1)
N = 2,205

Atazanavir, Dolutegravir, Efavirenz,
Lopinavir, or Nevirapine detected in
blood
(arvatv = 1 or arvdtg = 1 or arvefv =
1 or arvlpv = 1 or arvnvp = 1)
N = 1,829

None of Atazanavir, Dolutegravir,
Efavirenz, Lopinavir, Nevirapine
detected in blood, or missing
(arvatv != 1 and arvdtg != 1 and
arvefv != 1 and arvlpv != 1 and
arvnvp != 1)
N = 376

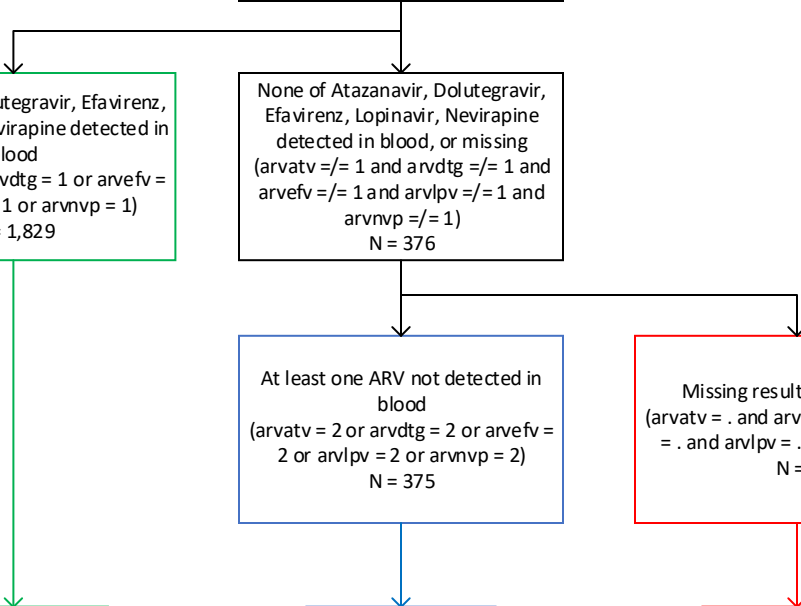
At least one ARV not detected in
blood
(arvatv = 2 or arvdtg = 2 or arvefv =
2 or arvlpv = 2 or arvnvp = 2)
N = 375

Missing results for all ARVs
(arvatv = . and arvdtg = . and arvefv
= . and arvlpv = . and arvnvp = .)
N = 1

ARV detected
(arvstatus = 1)
N = 1,829

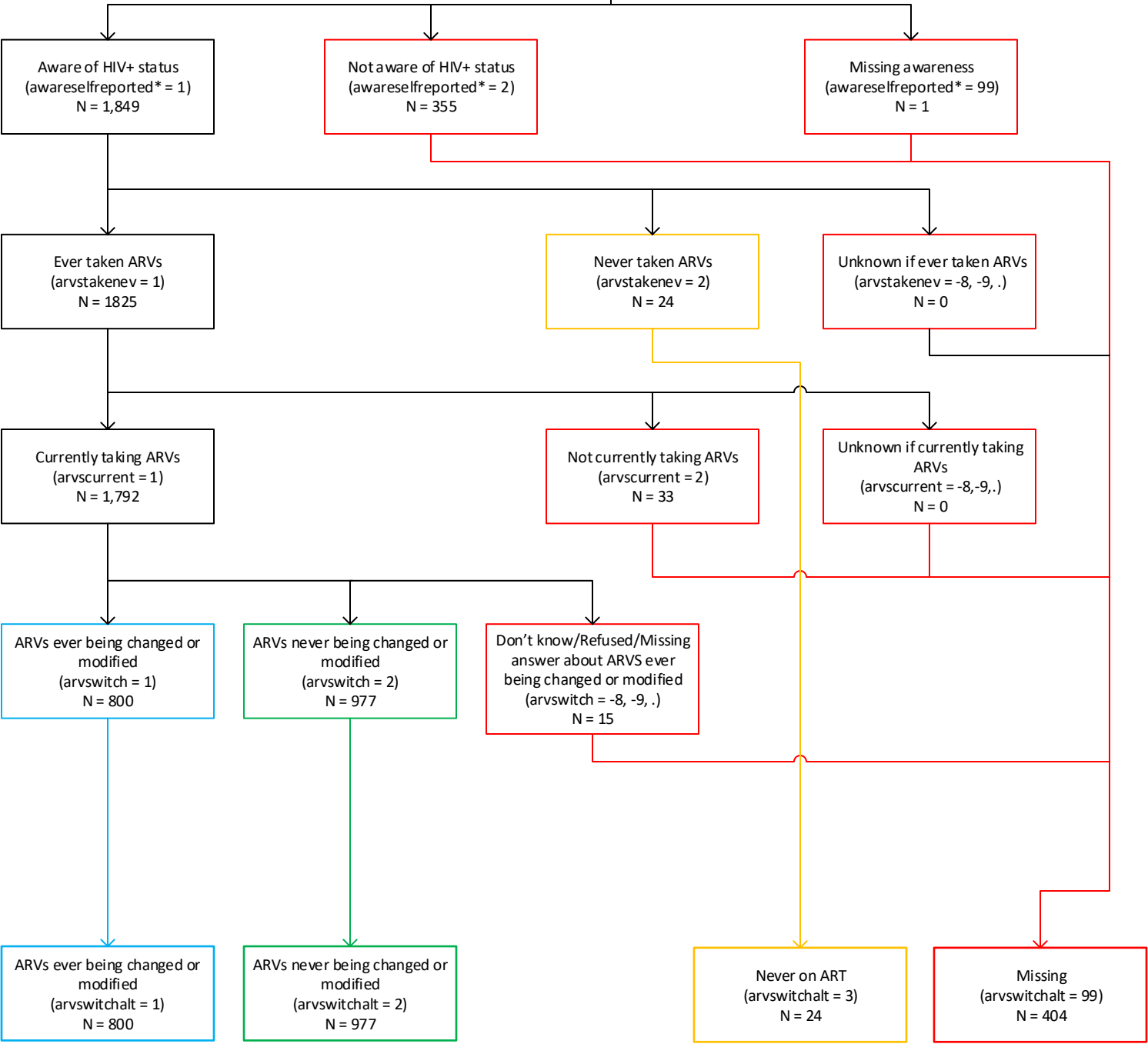
ARV not detected
(arvstatus = 1)
N = 375

Missing
(arvstatus = 99)
N = 1

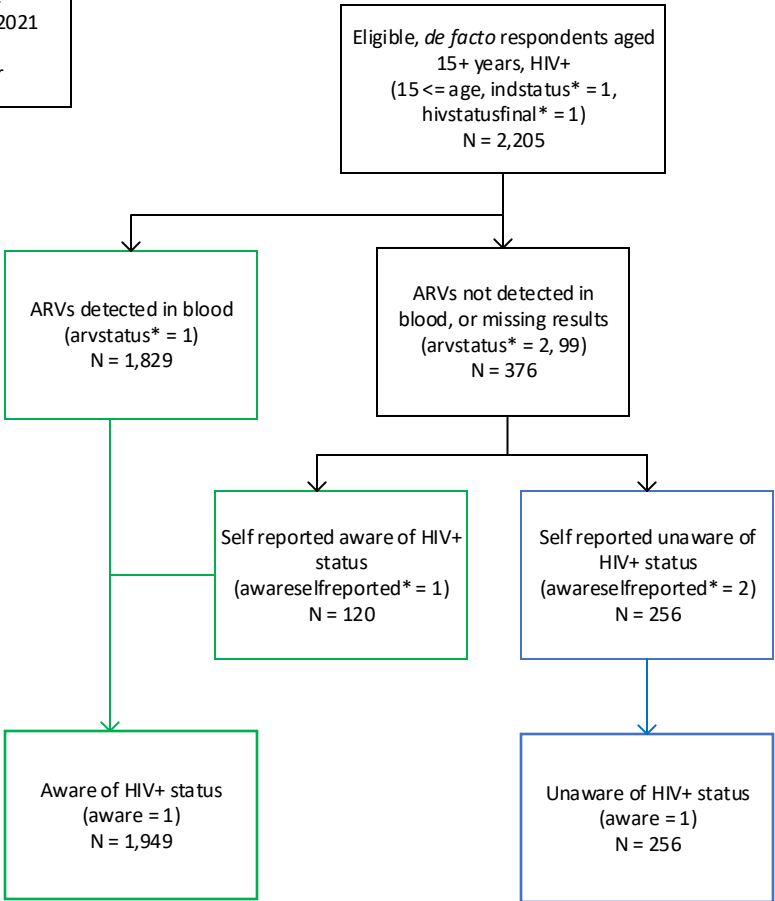


Variable: arswitchalt
Found in ZAMPHIA 2021 dataset:
Adult Interview

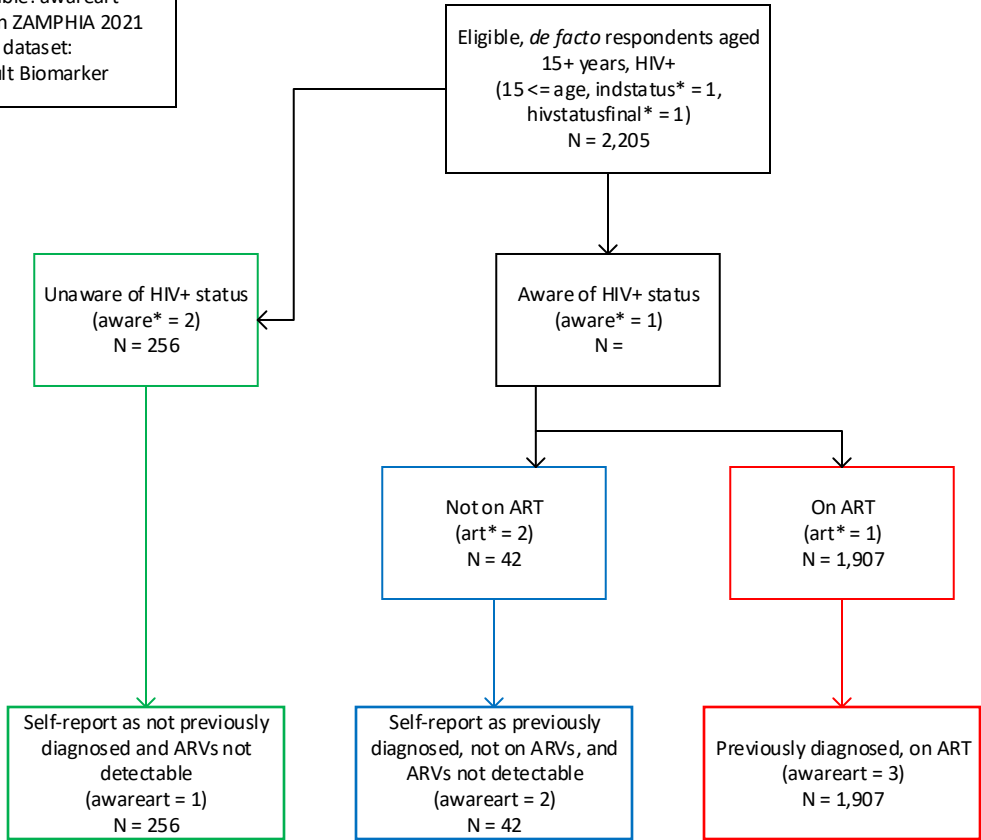
Eligible, *de facto* respondents aged 15+ years, HIV+
(indstatus* = 1 and age >= 15 and hivstatusfinal = 1)
N = 2,205



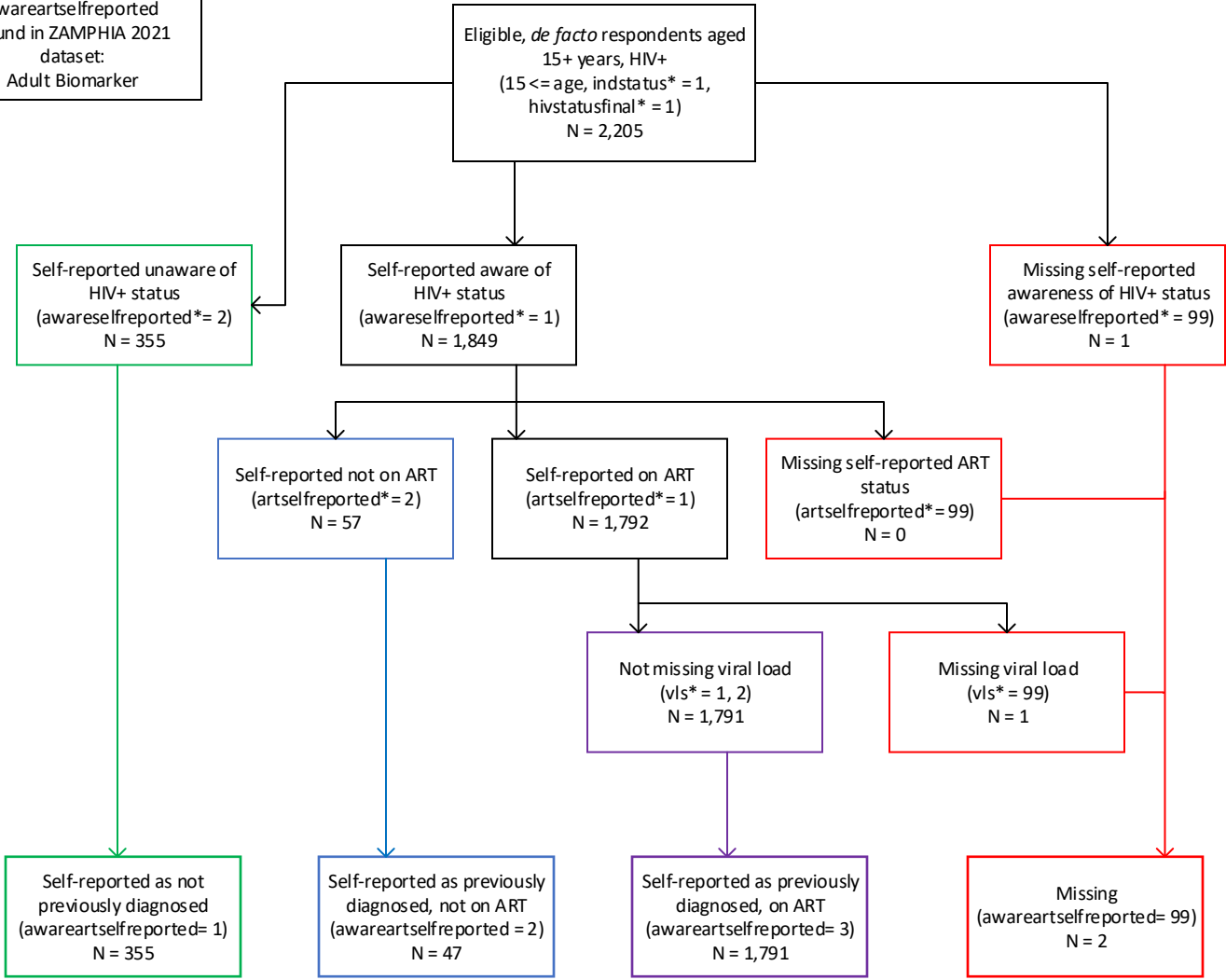
Variable: aware
Found in ZAMPHIA 2021
dataset:
Adult Biomarker



Variable: awareart
Found in ZAMPHIA 2021
dataset:
Adult Biomarker



Variable:
awareartselfreported
Found in ZAMPHIA 2021
dataset:
Adult Biomarker



Variable: awareselfreported
Found in ZAMPHIA 2021
dataset:
Adult Biomarker

Eligible, *de facto* respondents aged
15+ years, HIV+
(15 <= age, indstatus* = 1,
hivstatusfinal* = 1)
N = 2,205

Stated HIV positive
(knownhivstatus* = 1)
N = 1,849

Stated HIV negative or
never tested
(knownhivstatus* = 2, 3)
N = 343

Don't know/ refused/
unknown/ indeterminate/
results not received
(knownhivstatus = 99)
N = 13

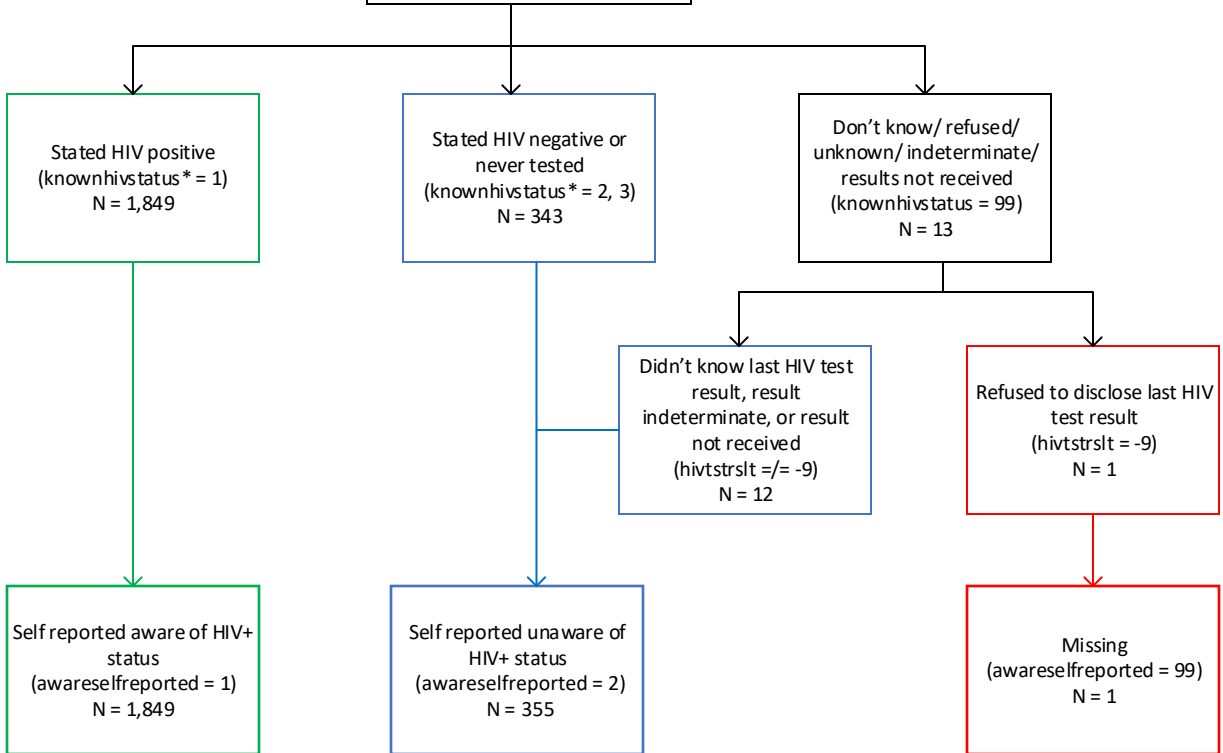
Didn't know last HIV test
result, result
indeterminate, or result
not received
(hivtstrslt =/= -9)
N = 12

Refused to disclose last HIV
test result
(hivtstrslt = -9)
N = 1

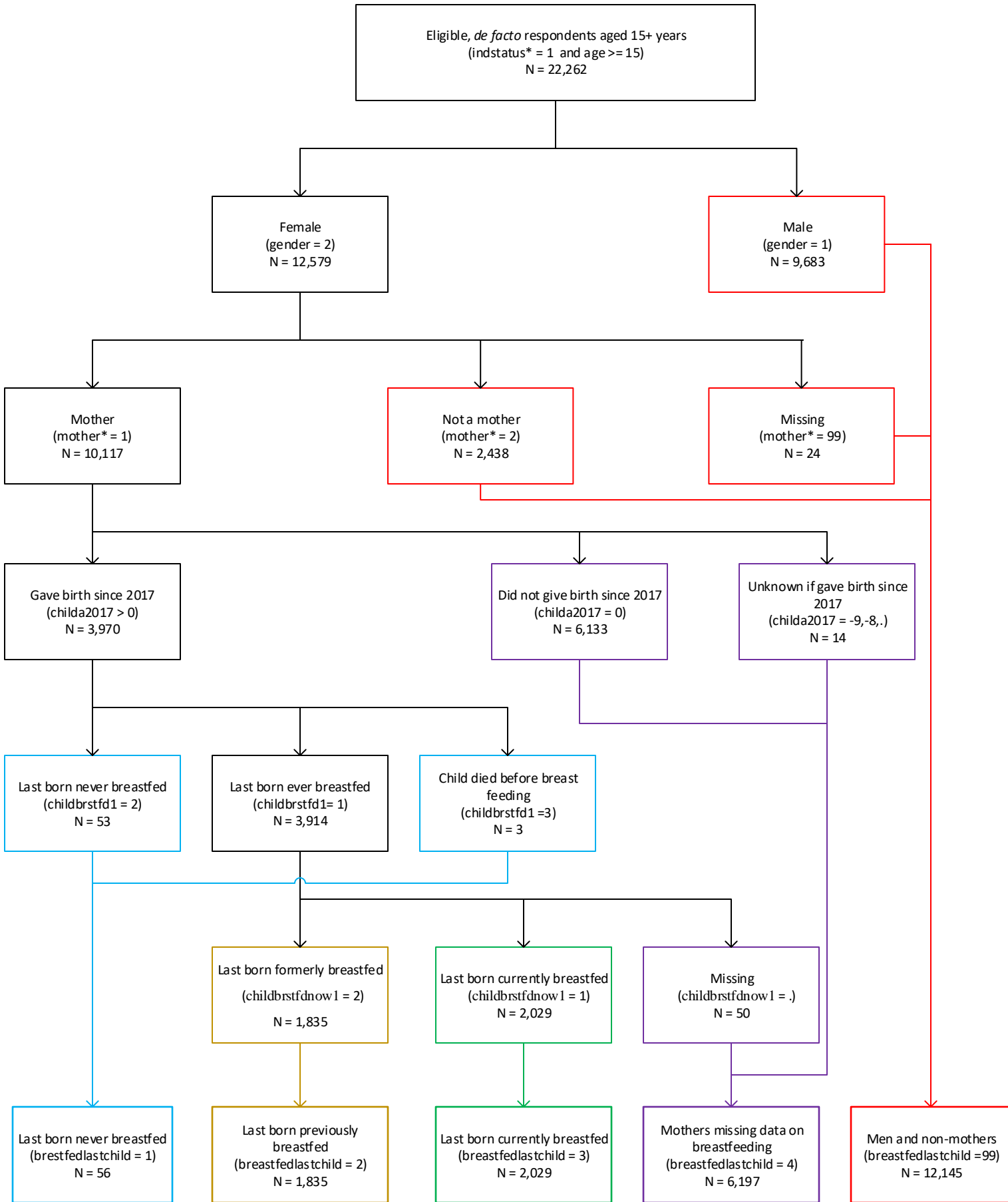
Self reported aware of HIV+
status
(awareselfreported = 1)
N = 1,849

Self reported unaware of
HIV+ status
(awareselfreported = 2)
N = 355

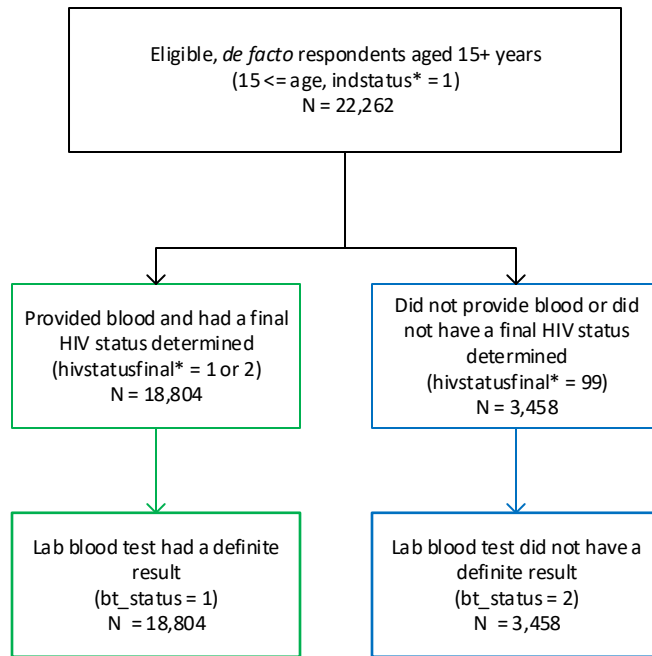
Missing
(awareselfreported = 99)
N = 1



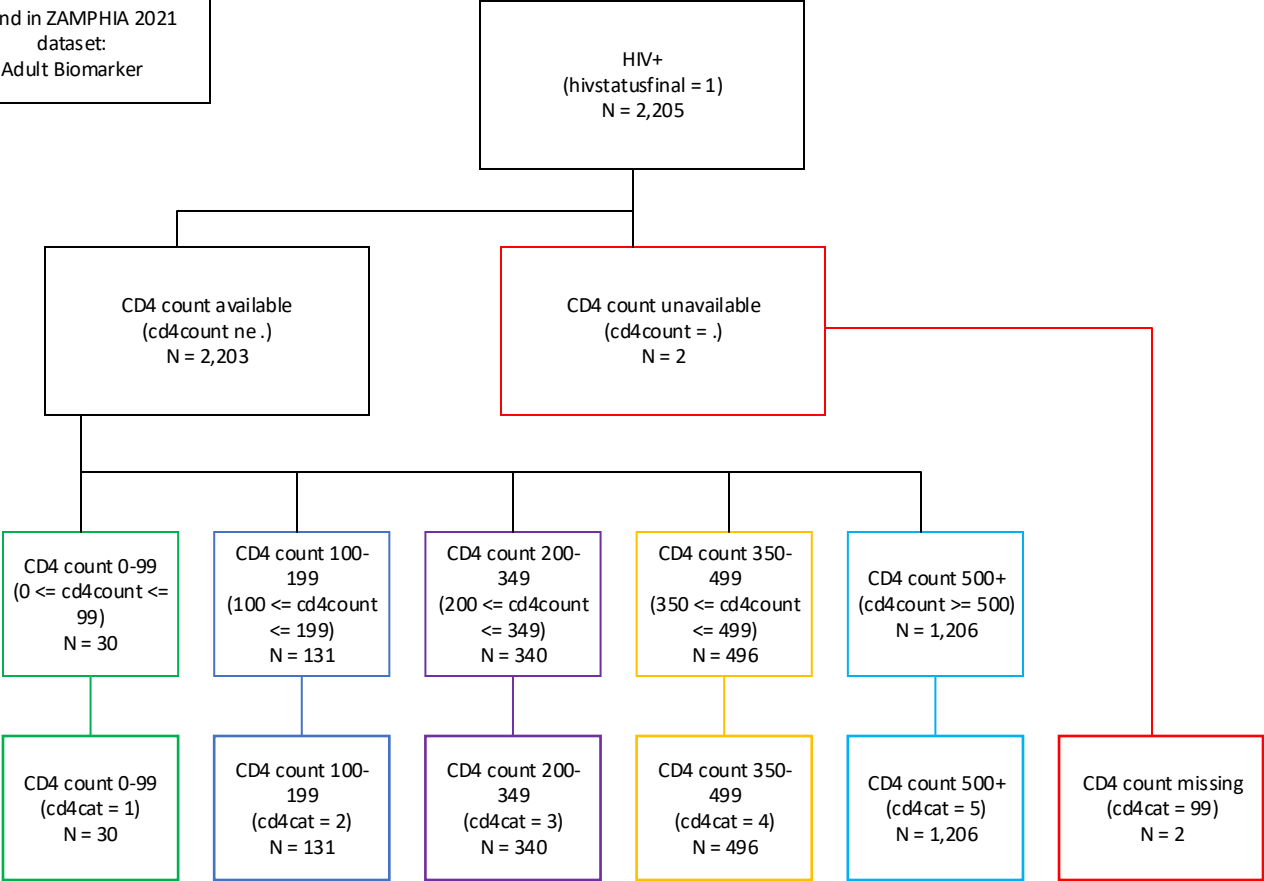
Variable: breastfedlastchild
Found in ZAMPHIA 2021 dataset
Adult Interview



Variable: bt_status
Found in ZAMPHIA 2021
datasets:
Adult Biomarker, Roster

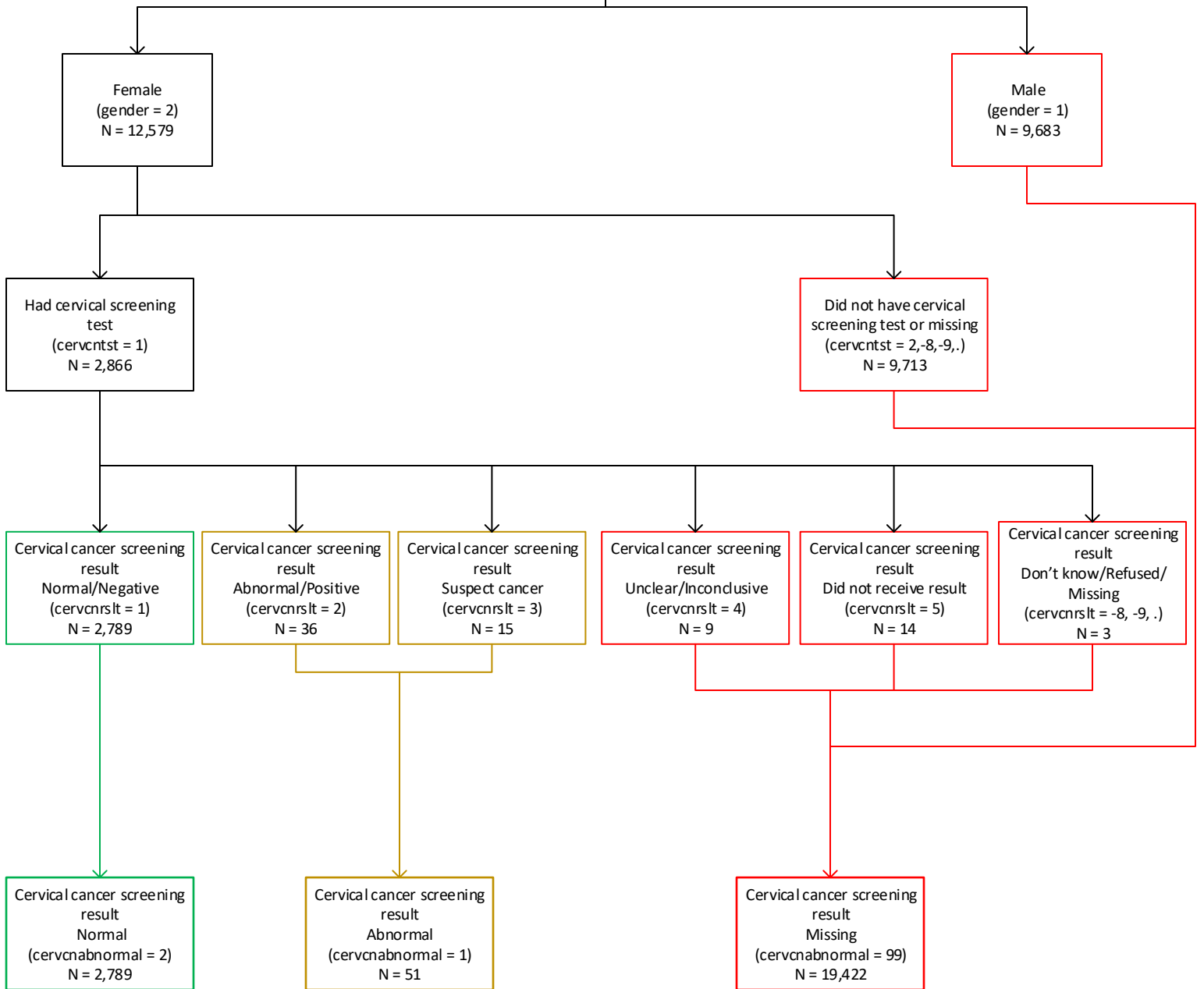


Variable: cd4cat
Found in ZAMPHIA 2021
dataset:
Adult Biomarker



Variable: cervnabnormal
Found in ZAMPHIA 2021 dataset:
Adult Interview

Eligible, *de facto* respondents aged 15+ years
(indstatus* = 1 and age >= 15)
N = 22,262



Cervical cancer screening result
Normal
(cervnabnormal = 2)
N = 2,789

Cervical cancer screening result
Abnormal
(cervnabnormal = 1)
N = 51

Cervical cancer screening result
Missing
(cervnabnormal = 99)
N = 19,422

Variable:
condomlastnonmarital12mo
Found in ZAMPHIA 2021
dataset:
Adult Interview

Eligible, *de facto* respondents aged 15+ years
(15 <= age, indstatus* = 1)
N = 22,262

Age at first sex: not
ever had sex
(firstsxage != 95)
N = 20,250

Age at first sex: never
had sex
(firstsxage = 95)
N = 2,012

Reported at least one sexual
partner in past 12 months
(part12monum != 0, -8, -9)
N = 15,879

Reported 0 sexual partners in past
12 months, or don't know/ refused
(part12monum = 0, -8, -9)
N = 4,371

Reported at least 1 nonmarital, non-cohabitating
sexual partner in past 12 months
(partlivew1 = 2 or partlivew2 = 2 or partlivew3 = 2)
N = 4,624

Reported 0 nonmarital, non-cohabitating
sexual partners in past 12 months
(partlivew1 != 2 and partlivew2 != 2
and partlivew3 != 2)
N = 11,255

Reported partner 1 as
nonmarital/ non-cohabitating
(partlivew1 = 2)
N = 3,995

Reported partner 1 as
marital/ cohabitating
(partlivew1 = 1)
N = 629

Used condom at last
sex with partner 1
(partlastcndm1 = 1)
N = 1,487

Did not use condom at
last sex with partner 1
(partlastcndm1 = 2)
N = 2,499

Don't know/ refused if used
condom at last sex with partner 1
(partlastcndm1 = -8, -9)
N = 9

Reported partner 2 as
nonmarital/ non-cohabitating
(partlivew2 = 2)
N = 594

Reported partner 2 as
marital/ cohabitating
(partlivew2 = 1)
N = 35

Used condom at last
sex with partner 2
(partlastcndm2 = 1)
N = 210

Did not use condom at
last sex with partner 2
(partlastcndm2 = 2)
N = 384

Don't know/ refused if used
condom at last sex with partner 2
(partlastcndm2 = -8, -9)
N = 0

Reported partner 3 as
nonmarital/ non-cohabitating
(partlivew3 = 2)
N = 35

Used condom at last
sex with partner 3
(partlastcndm3 = 1)
N = 13

Did not use condom at
last sex with partner 3
(partlastcndm3 = 2)
N = 22

Don't know/ refused if used
condom at last sex with partner 3
(partlastcndm3 = -8, -9)
N = 0

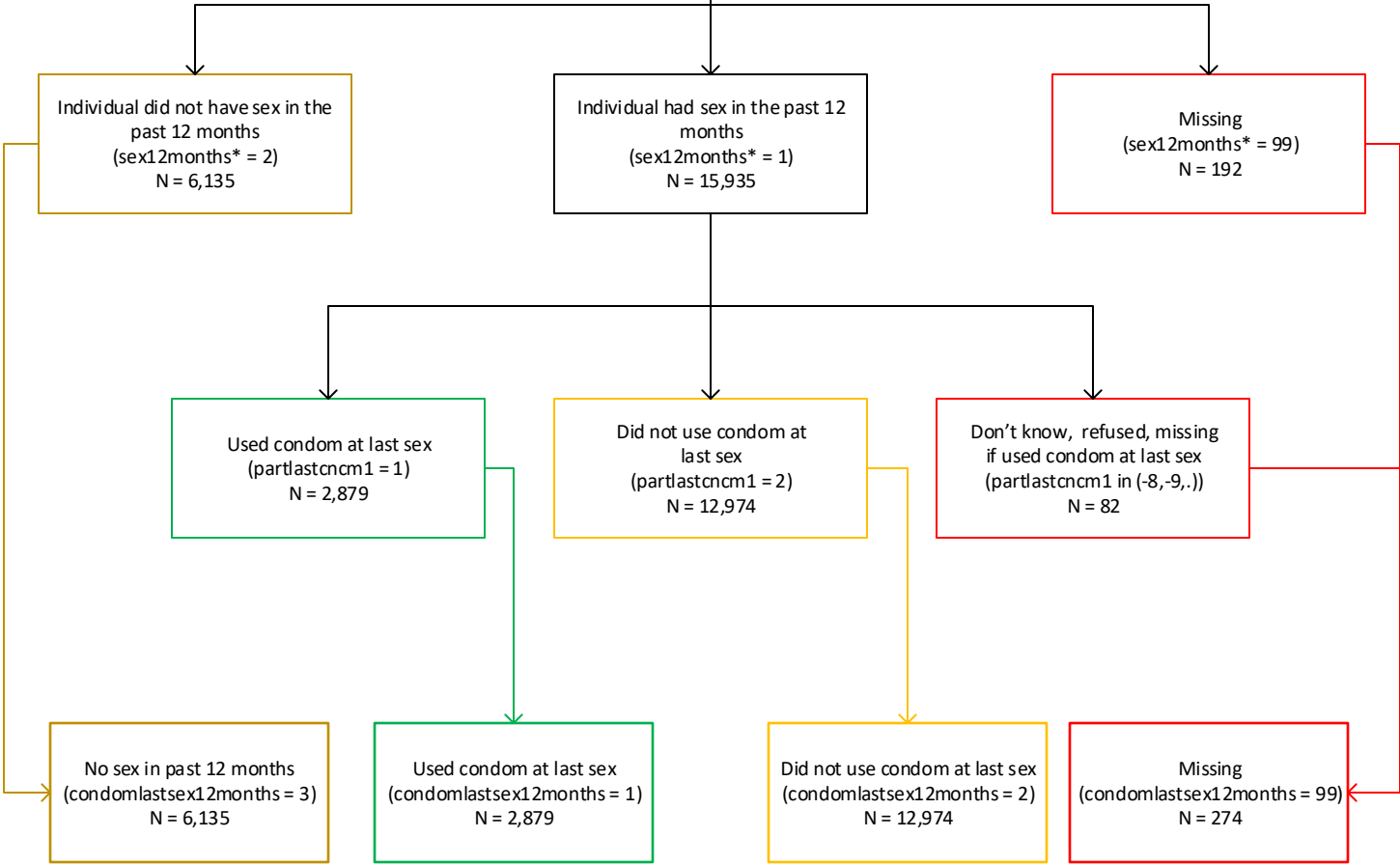
Used condom at last sexual intercourse with their
last non-marital, non-cohabitating partner in the
past 12 months
(condomlastnonmarital12mo = 1)
N = 1,710

Did not use condom at last sexual intercourse with
their last non-marital, non-cohabitating partner in
the past 12 months
(condomlastnonmarital12mo = 2)
N = 2,905

Missing
(condomlastnonmarital12mo = 99)
N = 17,647

Variable: condomlastsex12months
Found in ZAMPHIA 2021 dataset:
Adult Interview

Eligible, *de facto* respondents aged 15+ years
(indstatus* = 1 and age >= 15)
N = 22,262



Variable: delivered3years
Found in ZAMPHIA 2021 dataset:
Adult Interview

Eligible, *de facto* respondents aged 15+ years
(indstatus* = 1 and age >= 15)
N = 22,262

Female
(gender = 2)
N = 12,579

Male
(gender = 1)
N = 9,683

Woman is a mother
(mother* = 1)
N = 10,117

Woman is not a mother or
missing information
(mother* = 2 or 99)
N = 2,462

Gave birth to 1 or more
children since 2017
(childa2017 > 0)
N = 3,970

Gave birth to 0 children
since 2017
(childa2017 = 0)
N = 6,133

Missing information on how
many children she gave birth
to since 2017
(childa2017 in -8,-9, or .)
N = 14

Difference, in days,
between date of survey
and child's birthdate is <= 1,096
N = 3,413

Difference, in days,
between date of survey
and child's birthdate is > 1,096
N = 539

Child's Birth Year is
missing or it is 2018 and
Child's Birth Month is
missing
N = 18

Mother gave birth 3 years
preceding survey
(delivered3years = 1)
N = 3,413

Mother did not give birth
3 years preceding survey
(delivered3years = 2)
N = 6,672

Mothers missing data
on last delivery
(delivered3years=3)
N = 32

Men and non-mothers
(delivered3years = 99)
N = 12,145

Variable: delivered12months
Found in ZAMPHIA 2021 dataset:
Adult Interview

Eligible, *de facto* respondents aged 15+ years
(indstatus* = 1 and age >= 15)
N = 22,262

Female
(gender = 2)
N = 12,579

Male
(gender = 1)
N = 9,683

Woman is a mother
(mother* = 1)
N = 10,117

Woman is not a mother or
missing information
(mother* = 2 or 99)
N = 2,462

Gave birth to 1 or more
children since 2017
(childa2017 > 0)
N = 3,970

Gave birth to 0 children
since 2017
(childa2017 = 0)
N = 6,133

Missing information on how
many children she gave birth
to since 2017
(childa2017 in -8,-9, or .)
N = 14

Difference, in days,
between date of survey
and child's birthdate is <= 365
N = 1,343

Difference, in days,
between date of survey
and child's birthdate is > 365
N = 2,586

Child's Birth Year is
missing or it is 2020 and
Child's Birth Month is
missing
N = 41

Mother gave birth 12
months preceding survey
(delivered12months = 1)
N = 1,343

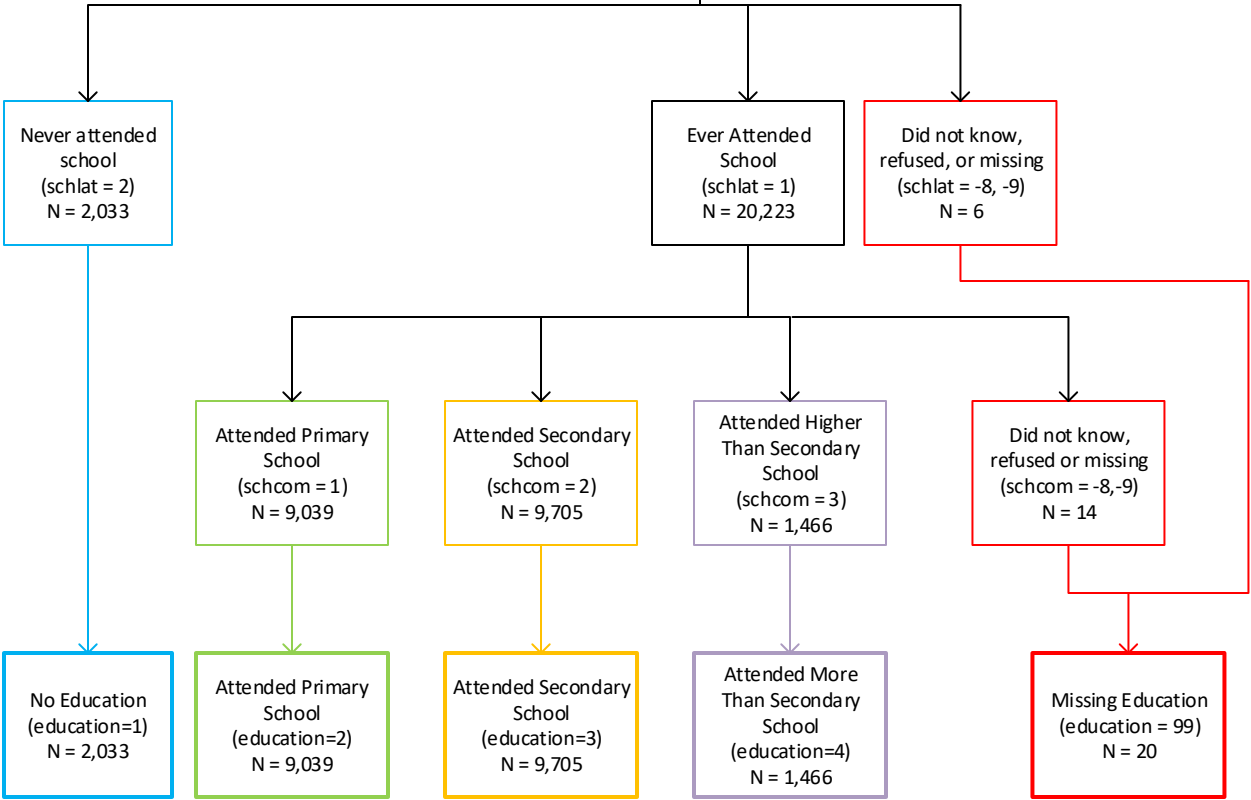
Mother did not give birth
12 months preceding
survey
(delivered12months = 2)
N = 8,719

Mothers missing data
on last delivery
(delivered12months=3)
N = 55

Men and non-mothers
(delivered12months = 99)
N = 12,145

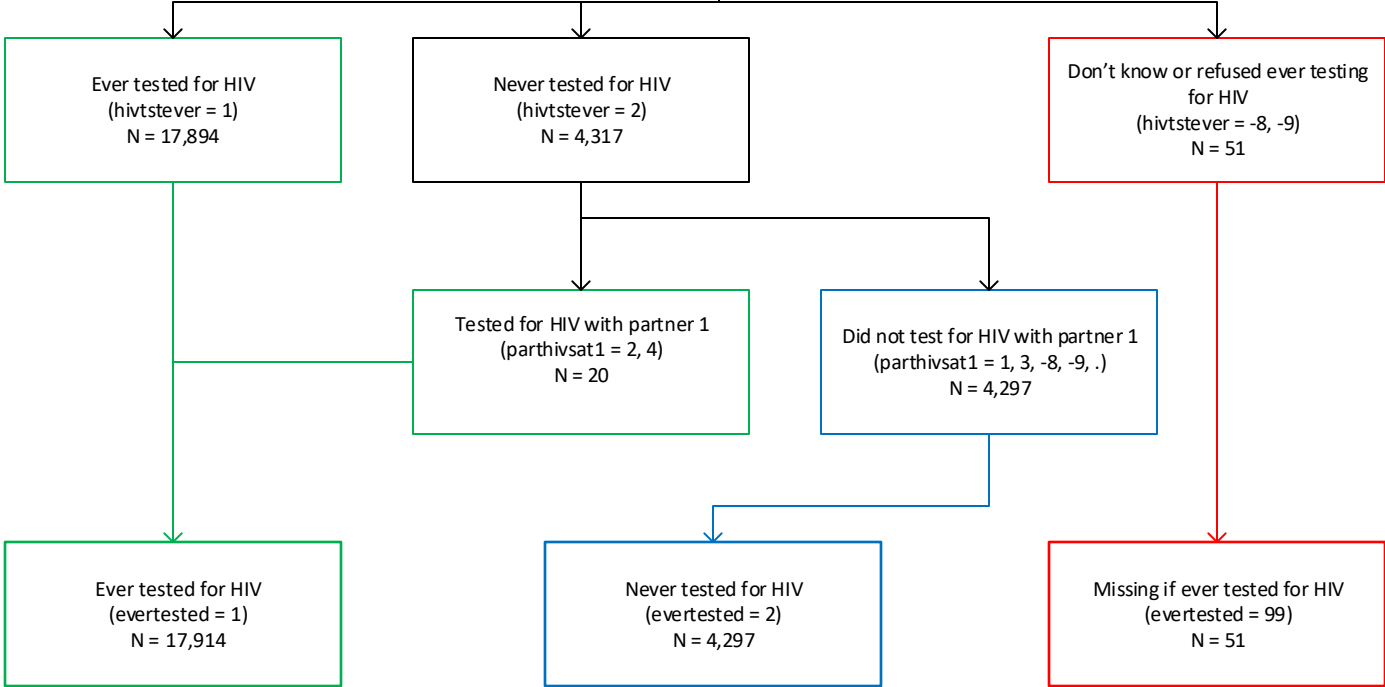
Variable: education
Found in ZAMPHIA 2021
dataset:
Adult Interview

Eligible, *de facto* respondents aged
15+ years
(indstatus = 1 and age >= 15)
N = 22,262

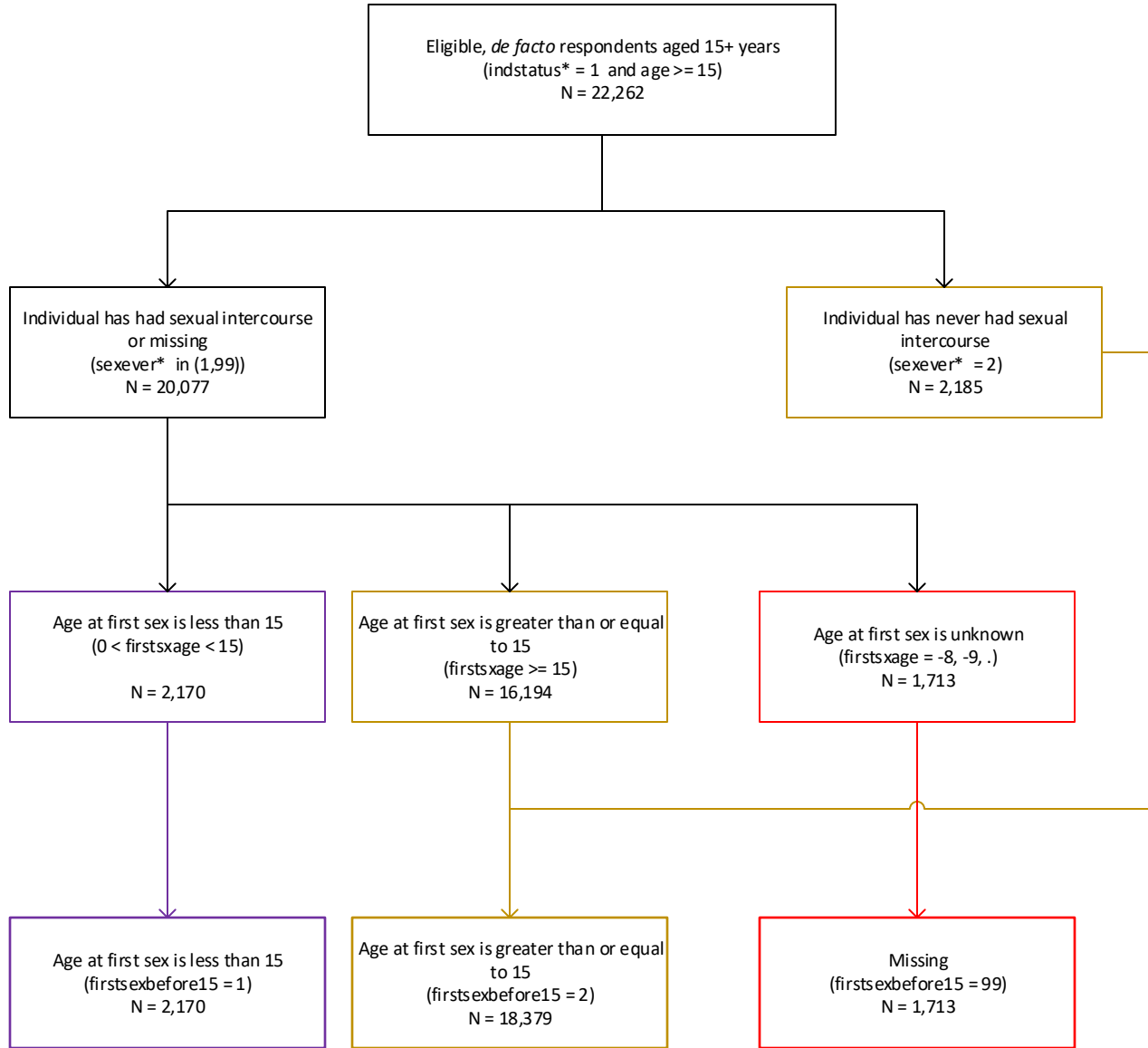


Variable: evertested
Found in ZAMPHIA 2021
dataset:
Adult Interview

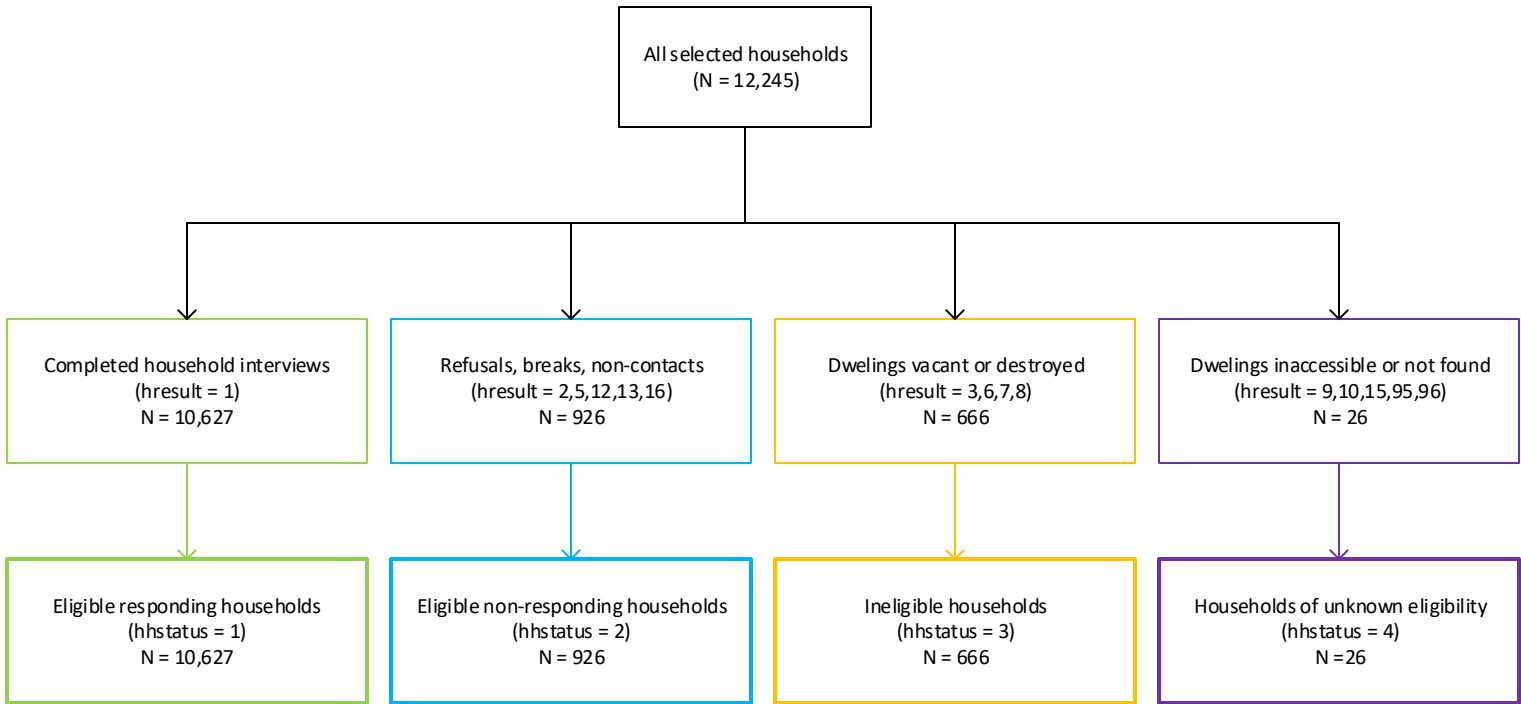
Eligible, *de facto* respondents aged
15+ years
(15 ≤ age, indstatus = 1)
N = 22,262



Variable: firstsexbefore15
Found in ZAMPHIA 2021 dataset
Adult Interview



Variable: hhstatus
Found in ZAMPHIA 2021 dataset
Households



Variable: hivstatusfinal
Found in ZAMPHIA 2021
dataset:
Adult Biomarker, Adult
Interview

Eligible, *de facto* respondents aged
15+ years, HIV+
(15 <= age, indstatus* = 1)
N = 22,262

Tested positive for HIV
(finalresult = "HIV
Positive")
N = 2,205

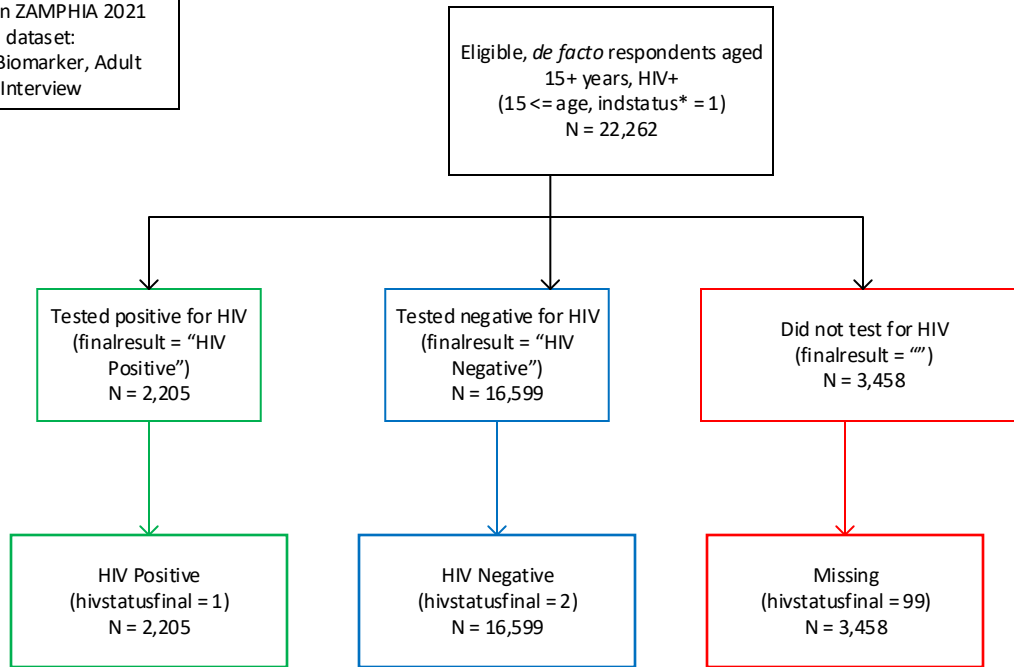
Tested negative for HIV
(finalresult = "HIV
Negative")
N = 16,599

Did not test for HIV
(finalresult = "")
N = 3,458

HIV Positive
(hivstatusfinal = 1)
N = 2,205

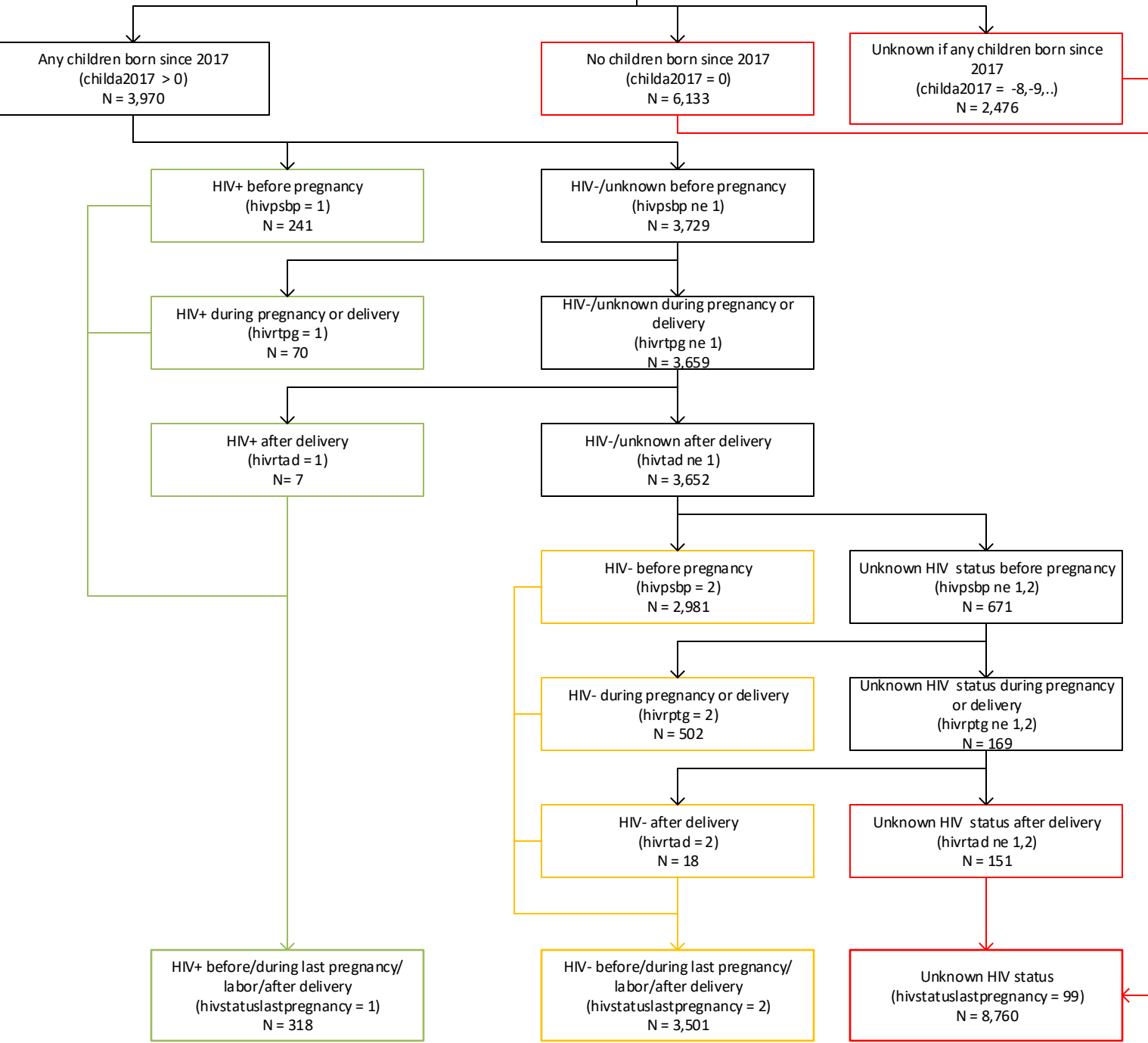
HIV Negative
(hivstatusfinal = 2)
N = 16,599

Missing
(hivstatusfinal = 99)
N = 3,458



Variable: hivstatuslastpregnancy
 Found in ZAMPHIA 2021 dataset:
 Adult Interview

Females eligible, *de facto* respondents aged 15+ years
 (indstatus* =1 and gender = 2 and age >= 15)
 N = 12,579



Variable: indstatus
Found in ZAMPHIA 2021
datasets:
Roster

All rostered individuals
(hhstatus=1)
N = 50,706

Aged 15 years or older
(15 <= age <= 95)
N = 28,851

Aged 14 years or younger
(age <= 14)
N = 21,855

Slept in the household last
night
(sleephere = 1)
N = 25,483

Did not sleep in the household
last night
(sleephere = 2)
N = 3,368

Completed individual
interview
(ireult = 1)
N = 22,262

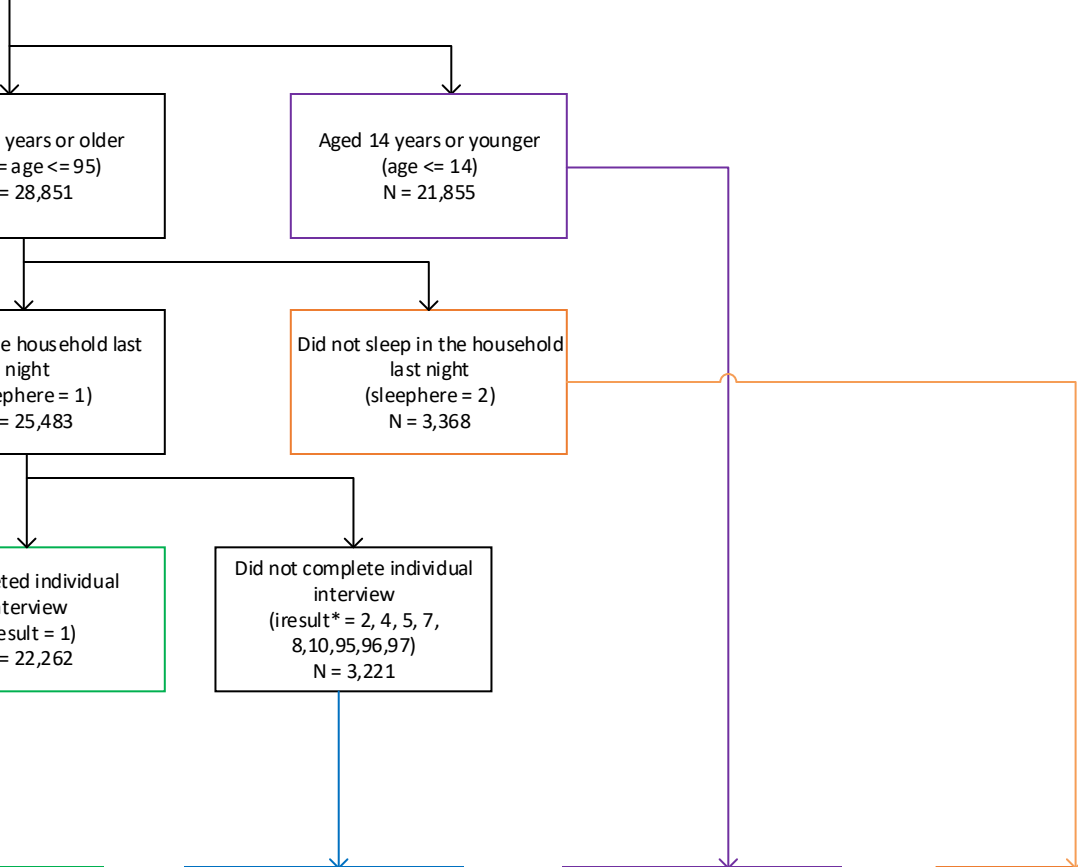
Did not complete individual
interview
(ireult* = 2, 4, 5, 7,
8,10,95,96,97)
N = 3,221

Eligible, de facto respondent
(indstatus = 1)
N = 22,262

Eligible non-respondent
(indstatus = 2)
N = 3,221

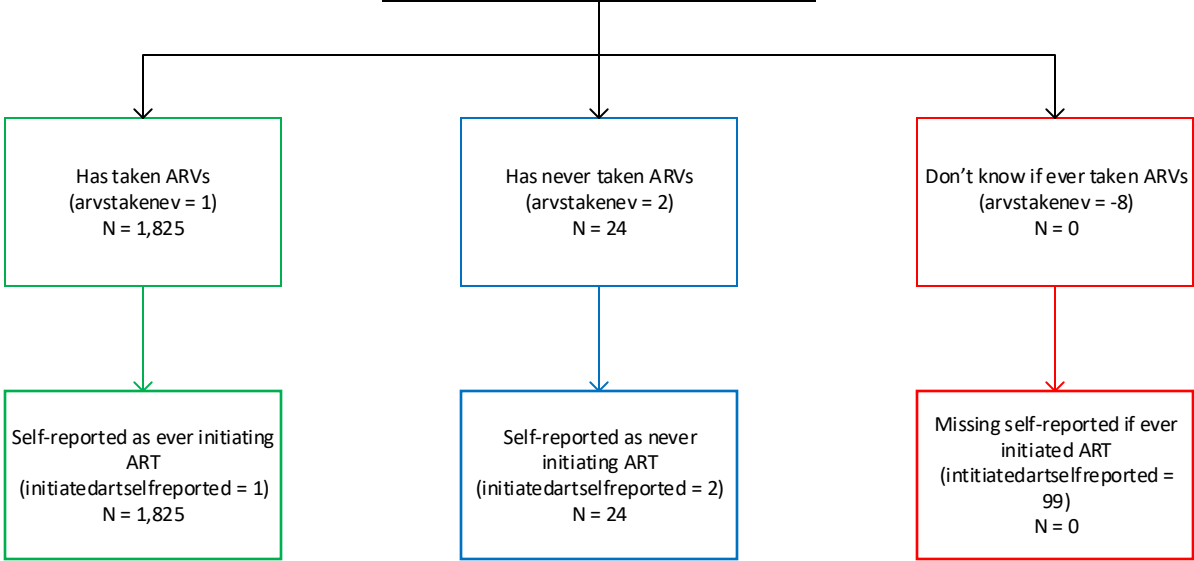
Ineligible (confirmed age < 15)
(indstatus = 3)
N = 21,855

Non-de facto participant
(indstatus = 9)
N = 3,368

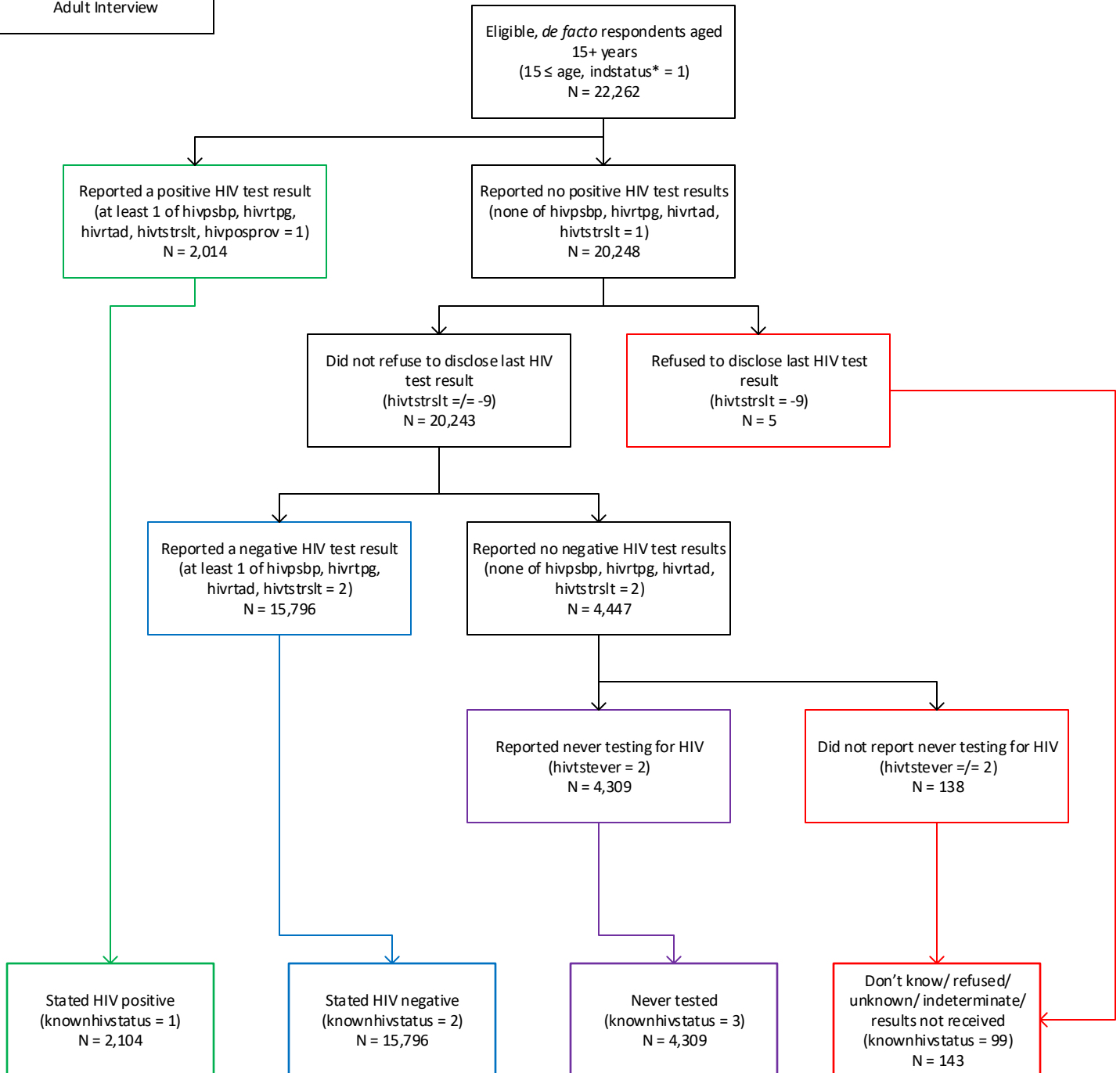


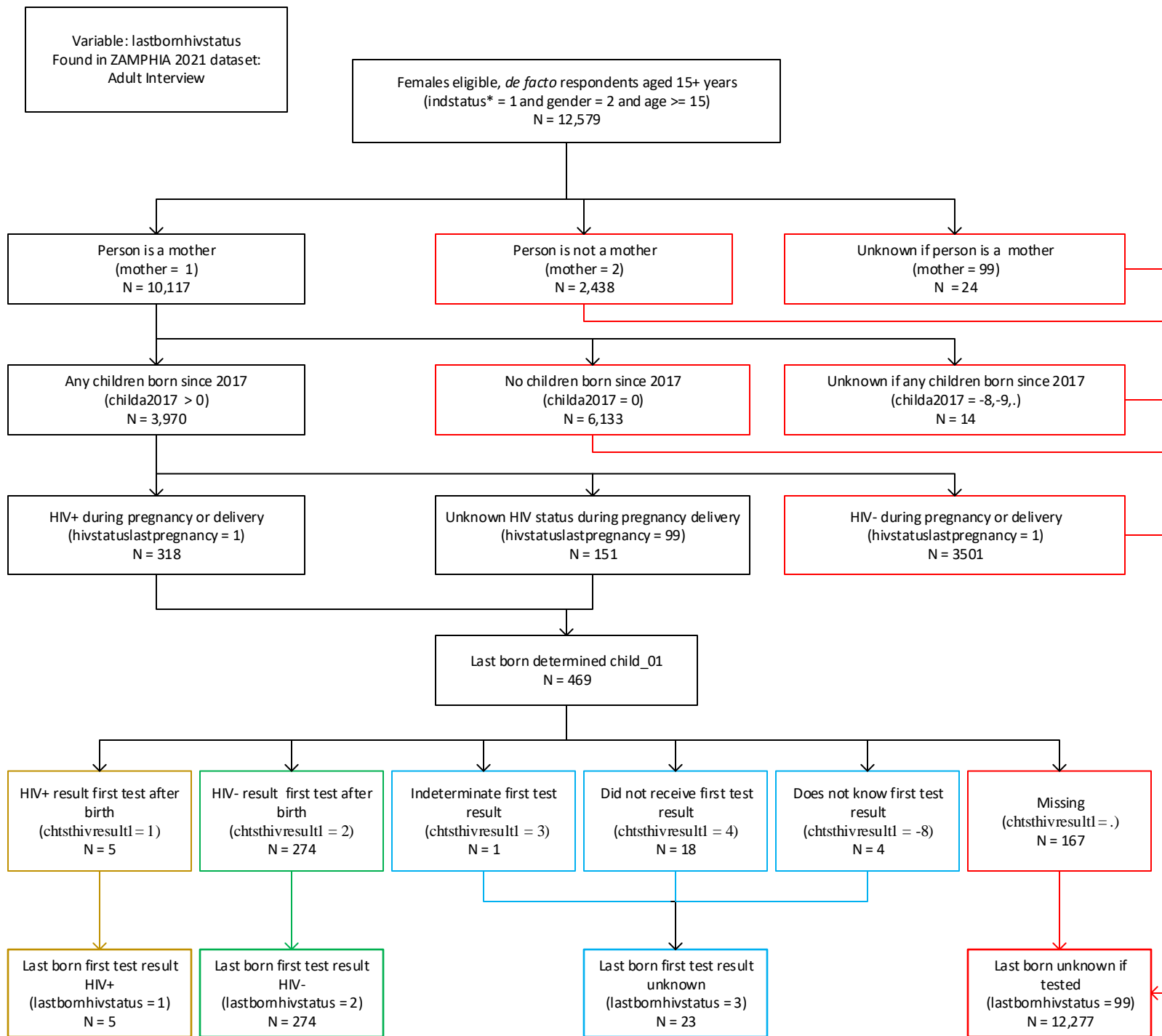
Variable:
initiateddartselfreported
Found in ZAMPHIA 2021
dataset:
Adult Interview

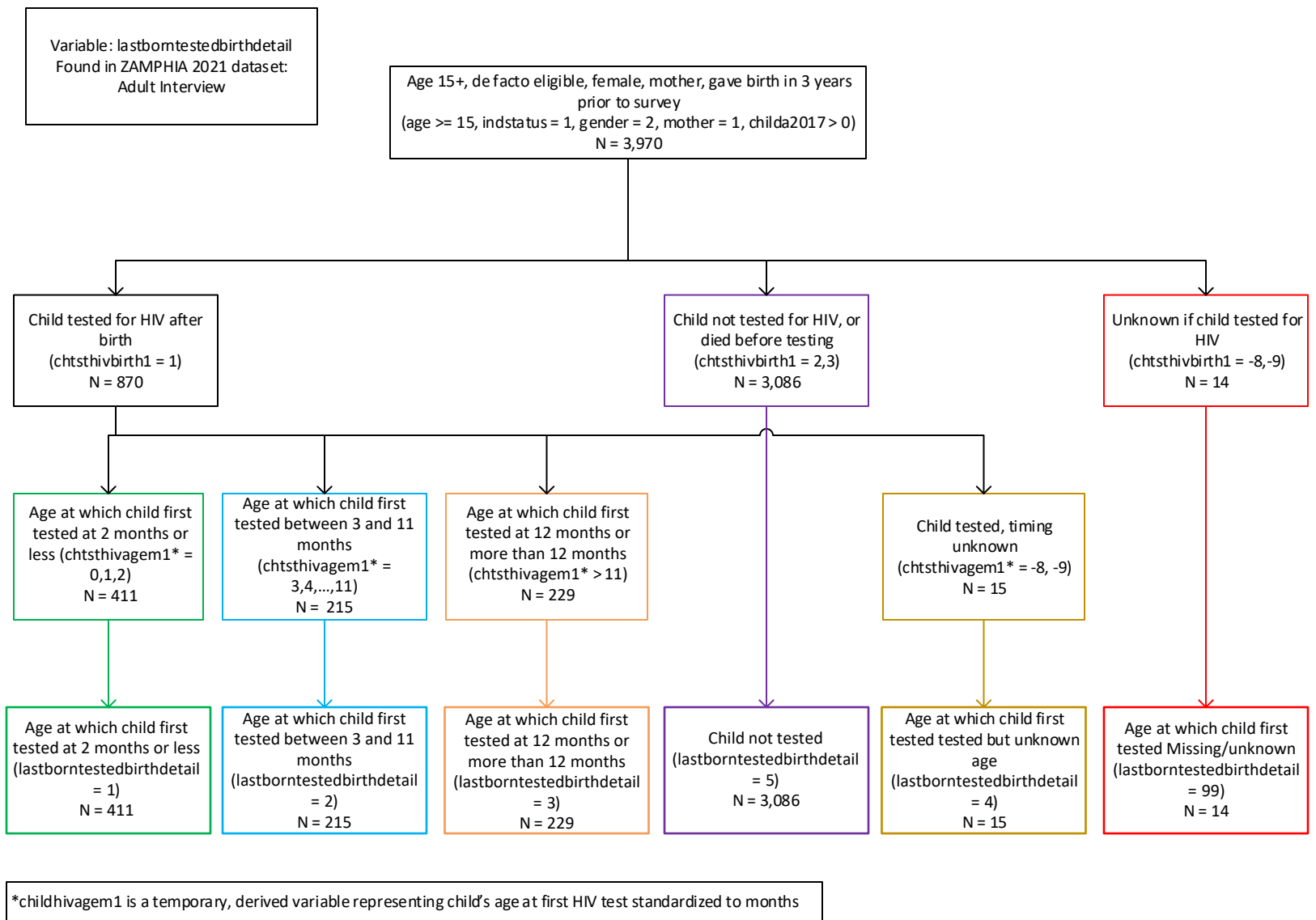
Eligible, *de facto* respondents aged 15+ years,
HIV+, self-reported aware HIV+
(15 <= age, indstatus* = 1, hivstatusfinal* = 1,
awareselfreported* = 1)
N = 1,849



Variable: knownhivstatus
Found in ZAMPHIA 2021
dataset:
Adult Interview







Variable: married
Found in ZAMPHIA 2021 dataset:
Adult Interview

Eligible, *de facto* respondents aged
15+ years
(indstatus = 1 and age >= 15)
N = 22,262

Never Married
(evermar = 2)
N = 6,997

Ever Married Lived
Together
(evermar = 1)
N = 15,234

Did not know,
refused, or missing
(evermar = -8,-9)
N = 31

Married or Living
Together
(curmar = 1,2)
N = 12,450

Divorced or
Separated
(curmar = 4,5)
N = 1,645

Widowed
(curmar = 3)
N = 1,132

Did not know,
refused or missing
(curmar = -8,-9)
N=7

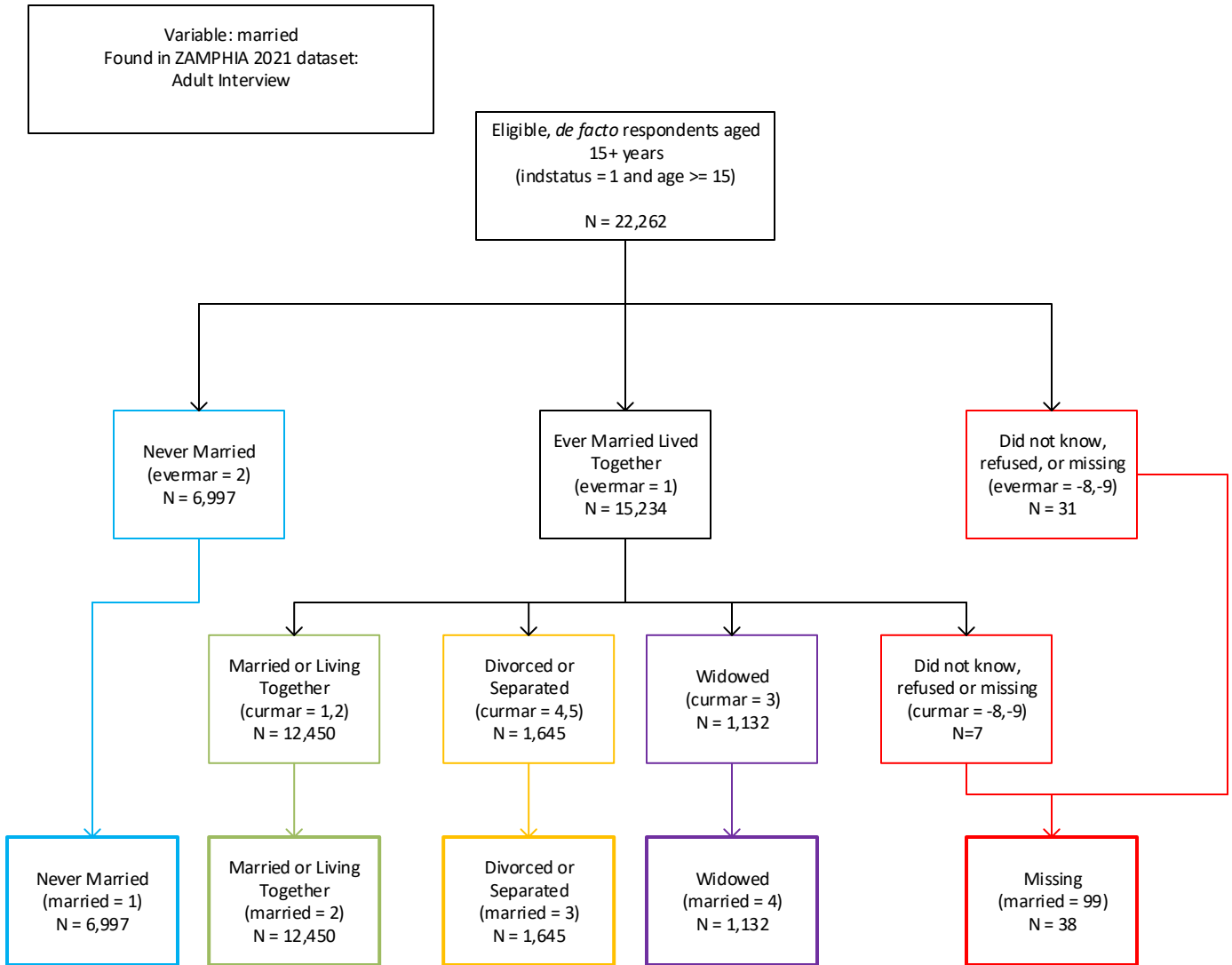
Never Married
(married = 1)
N = 6,997

Married or Living
Together
(married = 2)
N = 12,450

Divorced or
Separated
(married = 3)
N = 1,645

Widowed
(married = 4)
N = 1,132

Missing
(married = 99)
N = 38



Variable: mcdetail
Found in ZAMPHIA 2021 dataset:
Adult Interview

Eligible, *de facto* respondents aged 15+ years
(indstatus* = 1 and age >= 15)
N = 22,262

Male
(gender = 1)
N = 9,683

Female
(gender = 2)
N = 12,579

Yes, fully or partially circumcised
(mcstatus = 1 or 2)
N = 3,907

Not circumcised
(mcstatus = 3)
N = 5,703

Don't know/Refused/
Missing if circumcised
(mcstatus = -8,-9,..)
N = 73

Medical circumcision
(mcwhomed = 1)
N = 2,900

Not medical circumcision or
unknown
(mcwhomed ne 1)
N = 1,084

Traditional circumcision
(mcwhotrad = 1)
N = 988

Not traditional circumcision or
unknown
(mcwhotrad ne 1)
N = 19

Medical circumcision
(mcdetail = 1)
N = 2,900

Traditional circumcision
(mcdetail = 2)
N = 988

Circumcised but
provider unknown
(mcdetail = 4)
N = 19

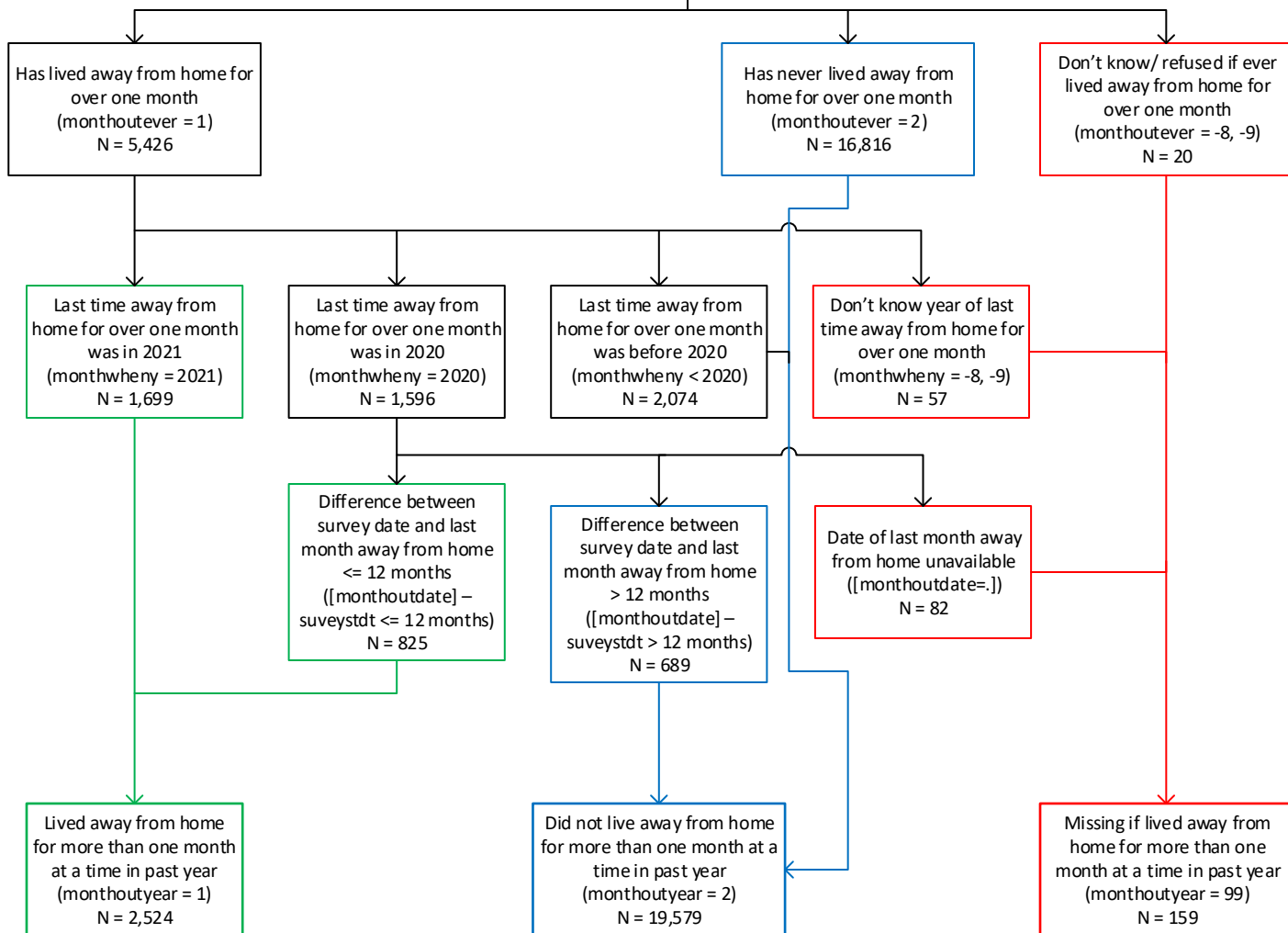
Not circumcised
(mcdetail = 3)
N = 5,703

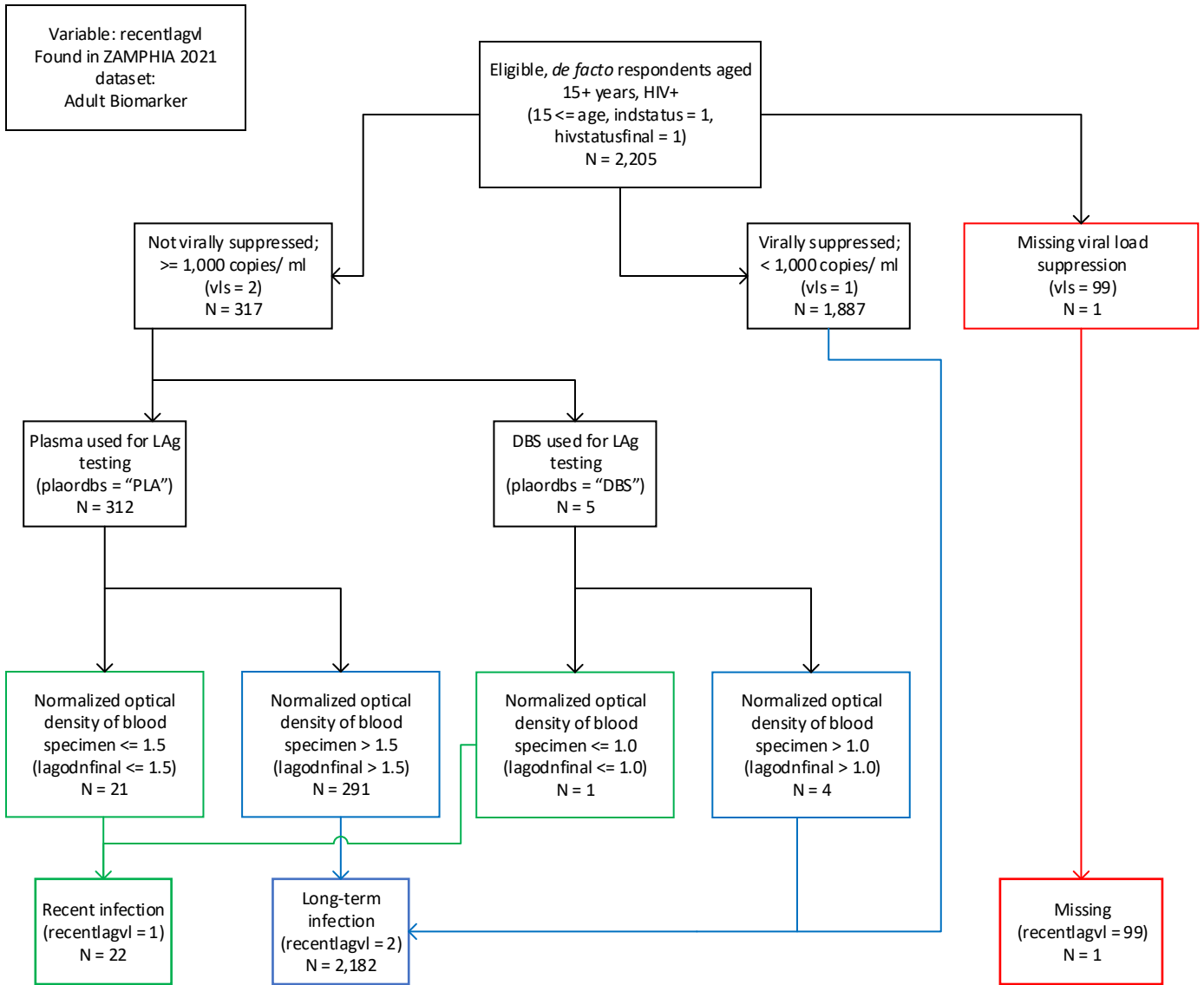
Unknown if
circumcised
(mcdetail = 5)
N = 73

Missing
(mcdetail = 99)
N = 12,579

Variable: monthoutyear
Found in ZAMPHIA 2021
dataset:
Adult Interview

Eligible, *de facto* respondents aged
15+ years
(15 ≤ age, indstatus* = 1)
N = 22,262





Variable: recentlagvarv
Found in ZAMPHIA 2021
dataset:
Adult Biomarker

Eligible, *de facto* respondents aged
15+ years, HIV+
(15 <= age, indstatus* = 1,
hivstatusfinal* = 1)
N = 2,205

Initial recency classification
and ARV status both available
(recentlagvl* = 1, 2 and
arvstatus* = 1, 2)
N = 2,204

Missing initial recency classification
and/ or ARV status
(recentlagvl* = 99 or arvstatus* =
99)
N = 1

Initially classified as
recent infection
(recentlagvl* = 1)
N = 22

Initially classified as
long-term infection
(recentlagvl* = 2)
N = 2,182

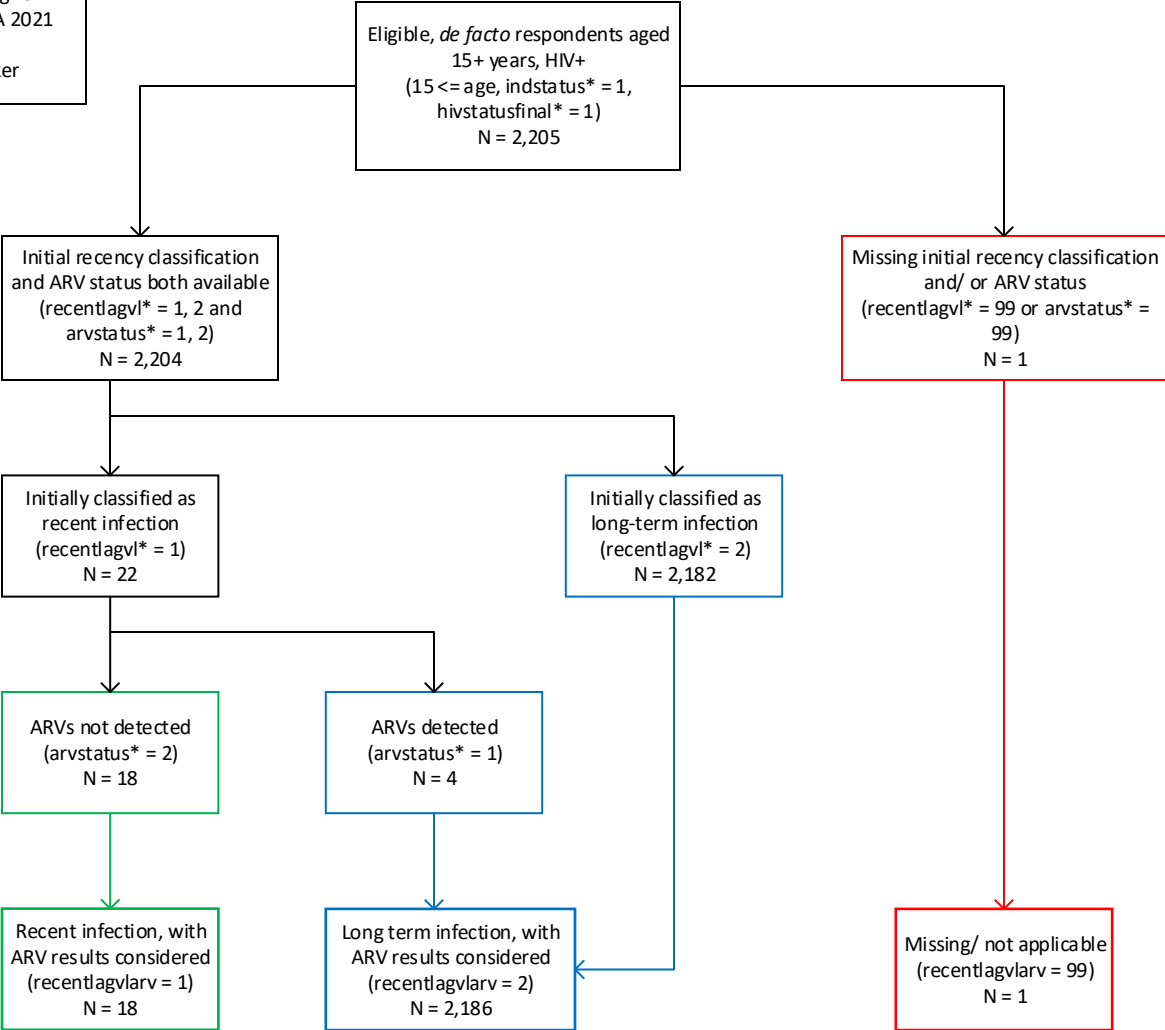
ARVs not detected
(arvstatus* = 2)
N = 18

ARVs detected
(arvstatus* = 1)
N = 4

Recent infection, with
ARV results considered
(recentlagvarv = 1)
N = 18

Long term infection, with
ARV results considered
(recentlagvarv = 2)
N = 2,186

Missing/ not applica ble
(recentlagvarv = 99)
N = 1



Variable: sex12months
Found in ZAMPHIA 2021 dataset:
Adult Interview

Eligible, *de facto* respondents aged 15+ years
(indstatus* = 1 and age >= 15)
N = 22,262

Individual has had sexual
intercourse
(sexever* in 1 or 99)
N = 20,077

Individual has never had
sexual intercourse
(sexever* = 2)
N = 2,185

Number of sex partners in the past 12
months is >= 1
(part12monum >= 1)
N = 15,879

Stated 0 sex partners in last 12 months
(part12monum = 0)
N = 4,005

Missing number of sex partners in last
12 months
(part12monum = -8, -9, .)
N = 193

Age at first sex is the
same as the
respondent current age
N = 55

Age at first sex is not
the same as the
respondent current age
N = 3,950

Age at first sex is the
same as the
respondent current age
N = 1

Age at first sex is not
the same as the
respondent current age
N = 192

Had sex in past 12 months
(sex12months = 1)
N = 15,935

Did not have sex in past 12 months
(sex12months = 2)
N = 6,135

Missing
(sex12months = 99)
N = 192

Variable: *sexever*
Found in ZAMPHIA 2021 dataset:
Adult Interview

Eligible, *de facto* respondents aged 15+ years
(*indstatus** = 1 and *age* >= 15)
N = 22,262

Women that gave at least
one live birth
($0 < \text{liveb} < 30$)
N = 10,117

Currently pregnant
(*pregnant* = 1)
N = 815

Age at first sex greater
than 4
($4 < \text{firstsxage} < 95$)
N = 18,360

Number of sex partners
in lifetime > 0
($0 < \text{lifetimesex} \leq 995$)
N = 19,284

Number of sex partners
In last 12 months > 0
(*part12monum* > 0)
N = 15,879

Individual who did not meet
any of conditions to the right
N = 2,185

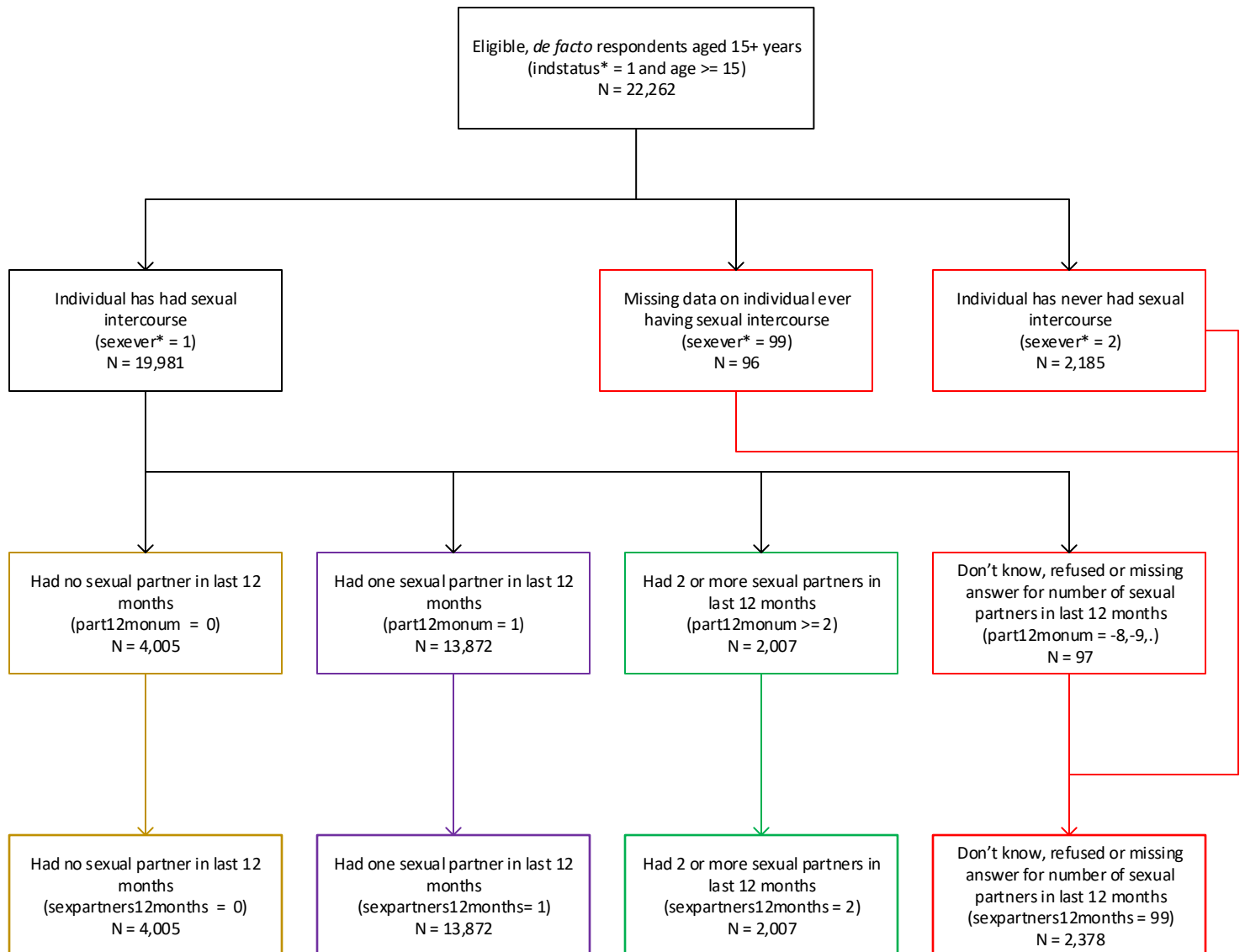
Individual meeting one or
more of the conditions above
N = 19,981

Never had sex
(*sexever* = 2)
N = 2,185

Have ever had sex
(*sexever* = 1)
N = 19,981

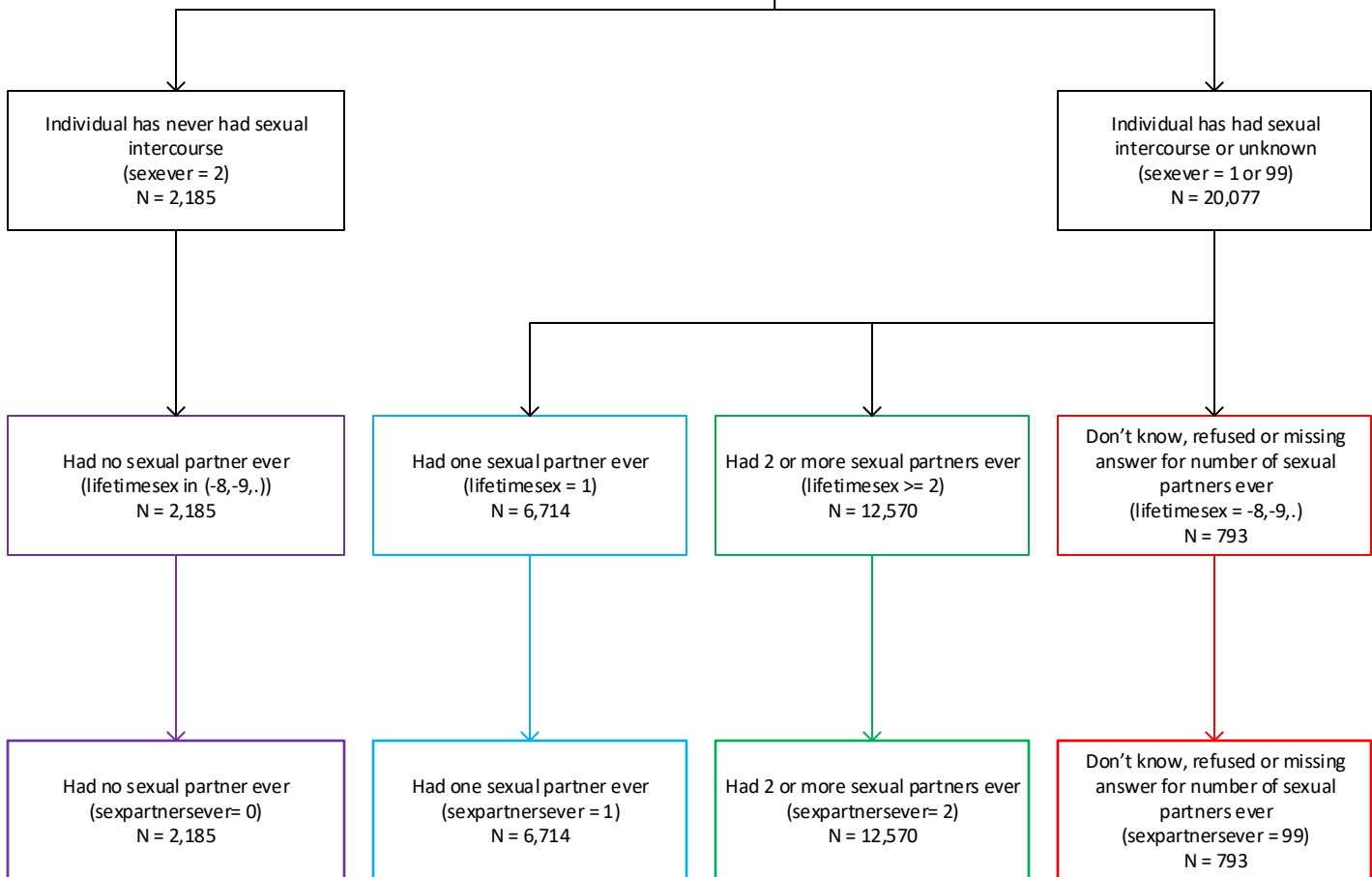
Missing
(*sexever* = 99)
N = 96

Variable: sexpartners12months
Found in ZAMPHIA 2021 dataset:
Adult Interview



Variable: sexpartnersever
Found in ZAMPHIA 2021 dataset
Adult Interview

Eligible, *de facto* respondents aged 15+ years
(indstatus* = 1 and age >=15)
N = 22,262



Variable: tbsympassessany
Found in ZAMPHIA 2021 dataset:
Adult Interview

Eligible, *de facto* respondents aged 15+ years, HIV+
(indstatus* = 1 and age >=15 and hivfinalstatus =1)
N = 2,205

One Symptom
N = 98

Two Symptoms
N = 45

Three Symptoms
N = 69

Four Symptoms
N = 919

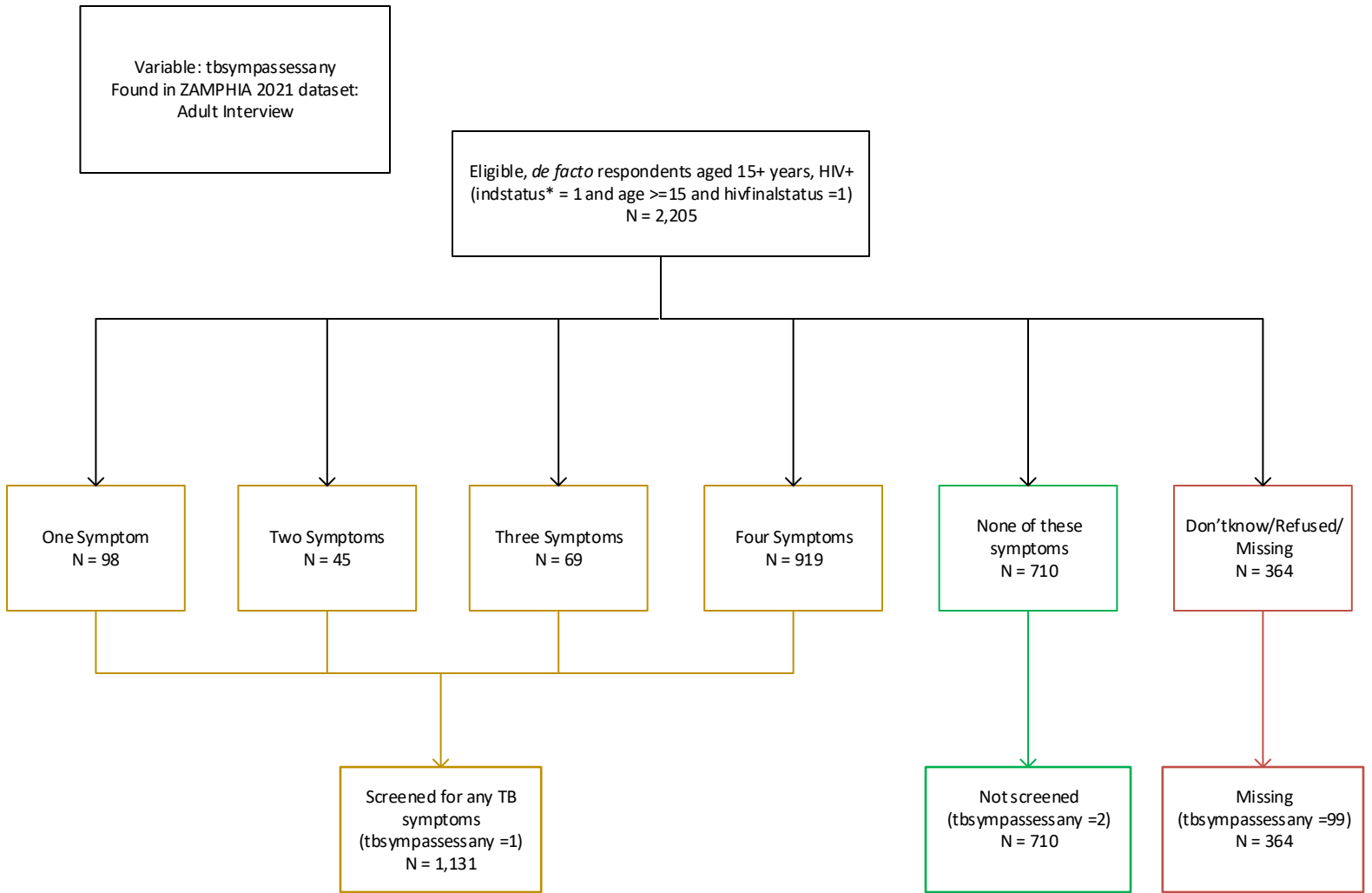
None of these
symptoms
N = 710

Don't know/Refused/
Missing
N = 364

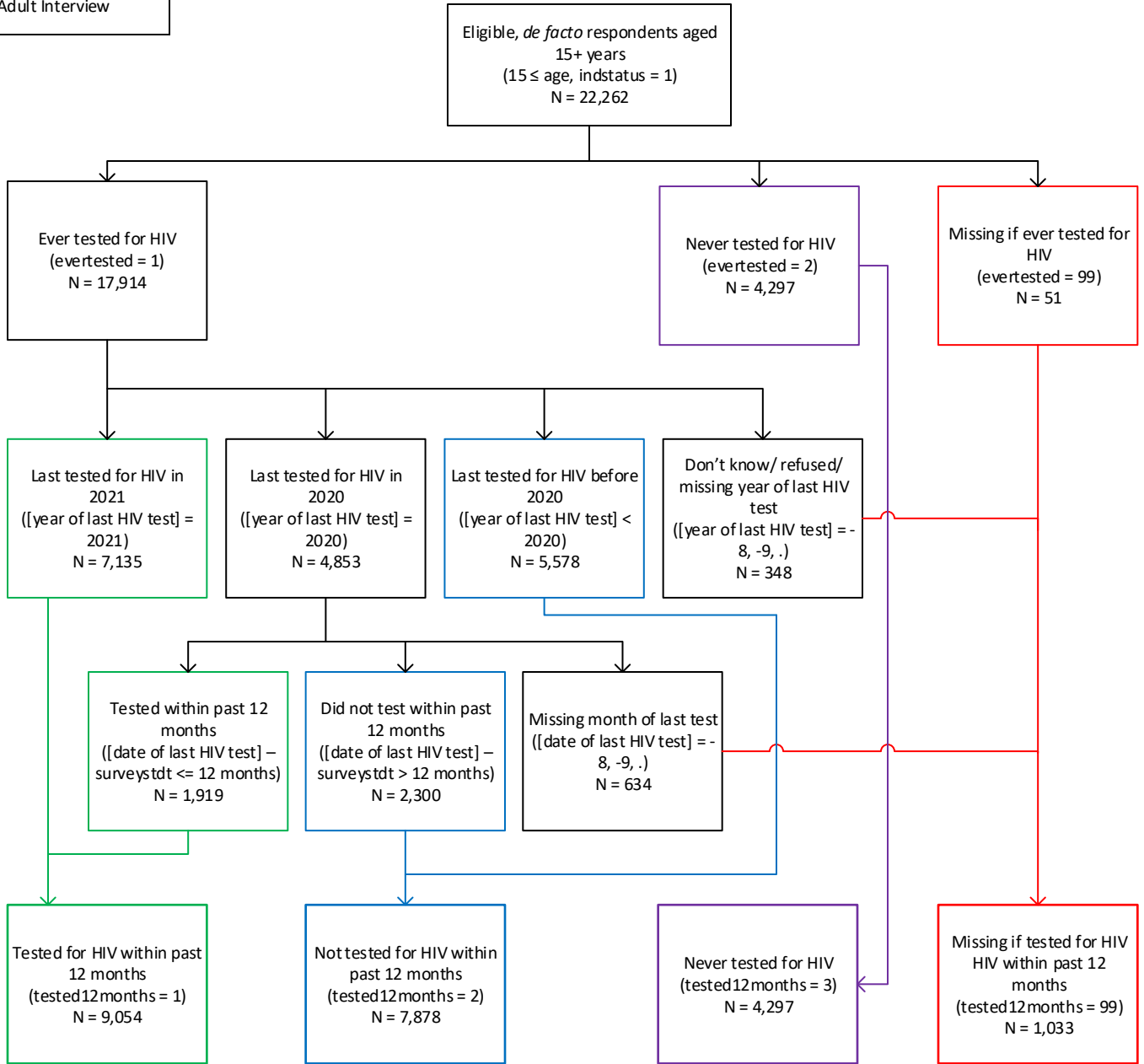
Screened for any TB
symptoms
(tbsympassessany =1)
N = 1,131

Not screened
(tbsympassessany =2)
N = 710

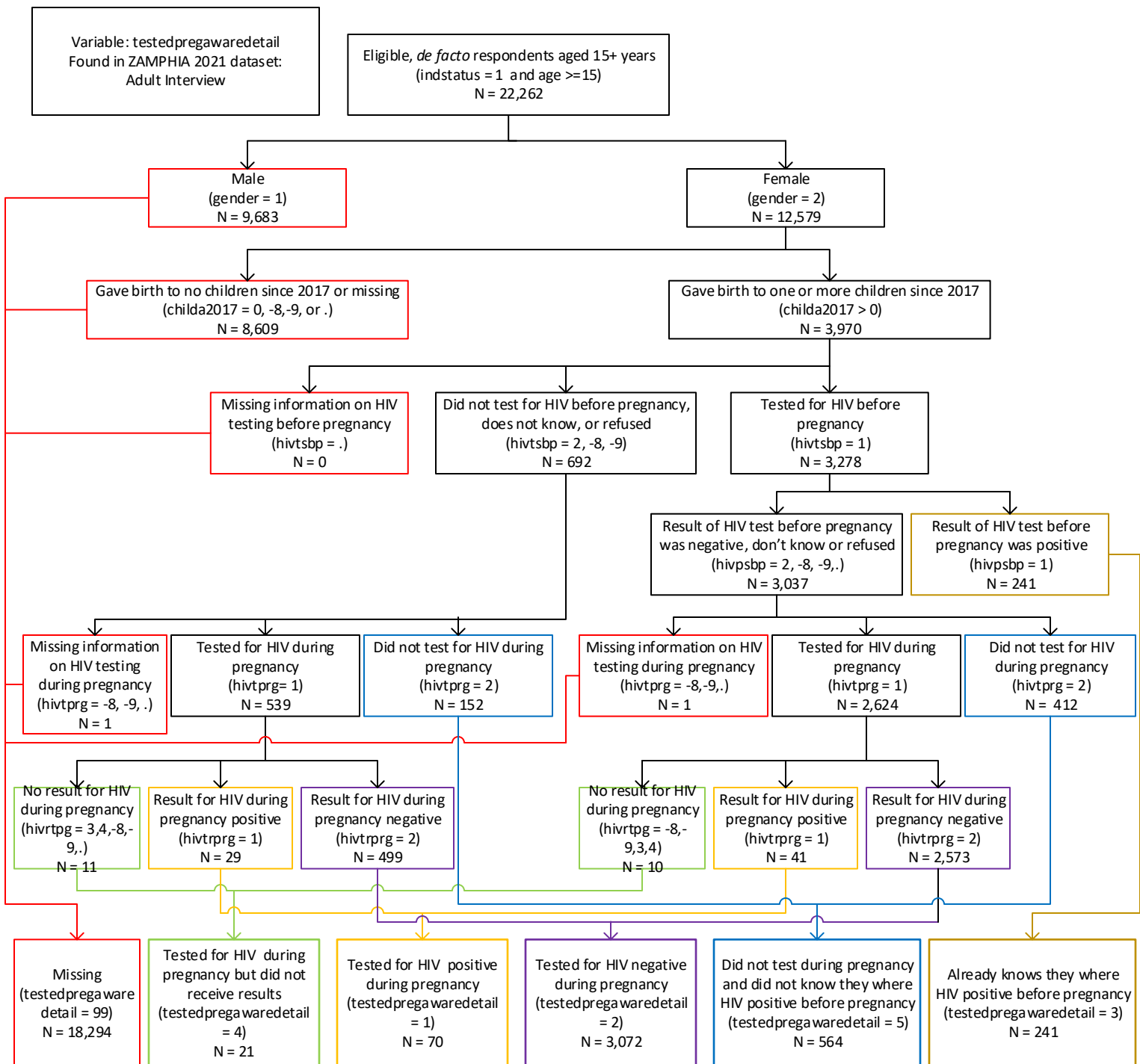
Missing
(tbsympassessany =99)
N = 364



Variable: tested12months
 Found in ZAMPHIA 2021
 dataset:
 Adult Interview

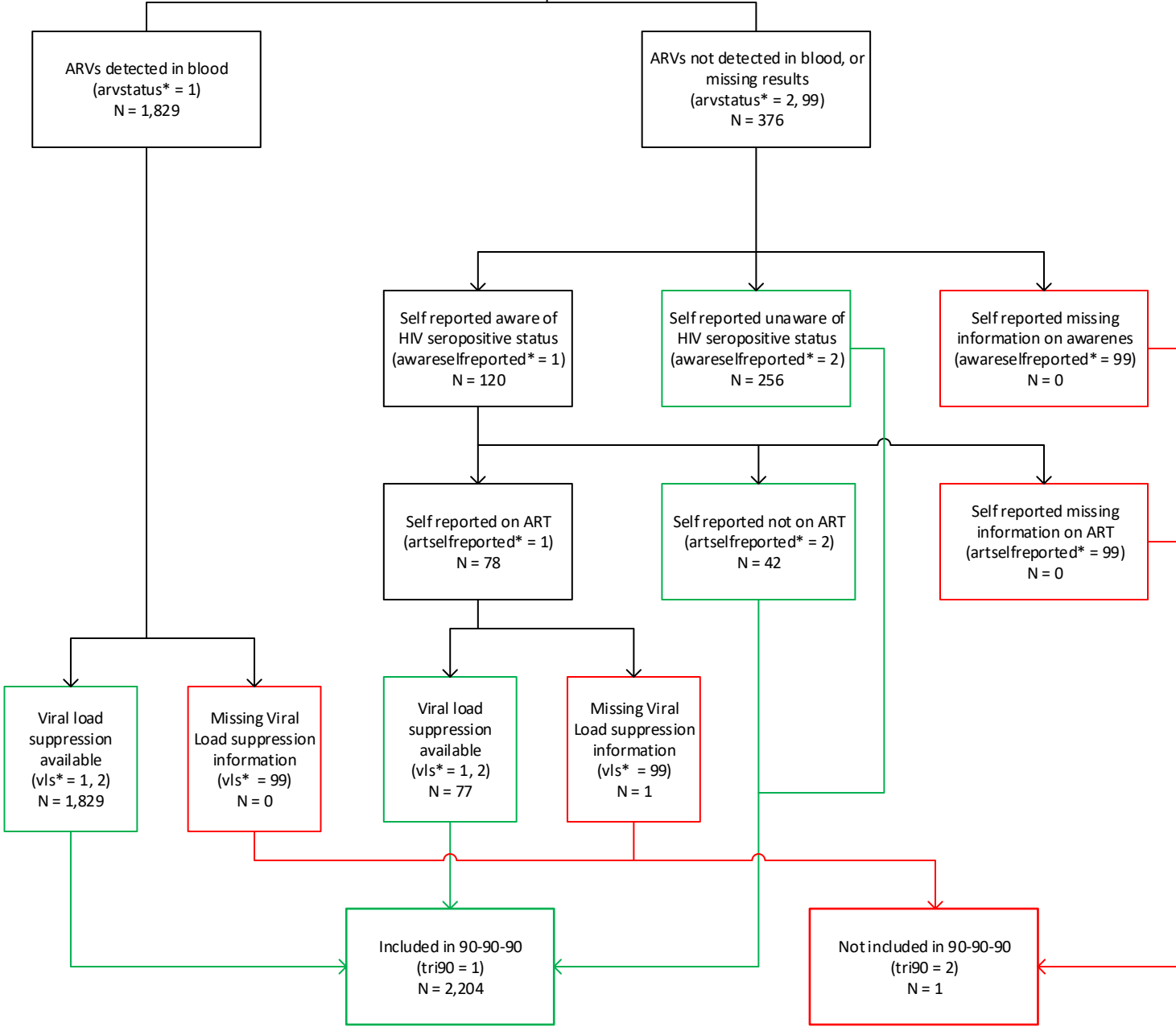


Date of last HIV test taken from most recent of:
 - hivtestm, hivtesty (15 imputed for day)
 - birthday, birthmon, birthyr (when hivtsad = 1)



Variable: tri90
Found in ZAMPHIA 2021 dataset:
Adult Biomarker

Eligible, *de facto* respondents aged 15+ years, HIV+
(15 ≤ age, indstatus* = 1, hivstatusfinal* = 1)
N = 2,205



Variable: tri90art
Found in ZAMPHIA 2021
dataset:
Adult Biomarker

Eligible, *de facto* respondents aged 15+ years,
HIV+
(15 ≤ age, bt_status* = 1 and hivstatusfinal* =
1)
N = 2,205

Included in 90-90-90
(tri90* = 1)
N = 2,204

Excluded from 90-90-90
(tri90* = 2)
N = 1

ARVs detected
(arvstatus* = 1)
N = 1,829

ARVs not detected, or missing
results
(arvstatus* = 2, 99)
N = 375

Self-reported aware of HIV
status
(awareselfreported* = 1)
N = 119

Self-reported unaware of
HIV Status
(awareselfreported* = 2)
N = 256

Self reported on ART
(artselfreported* = 1)
N = 77

Self reported not on ART
(artselfreported* = 2)
N = 42

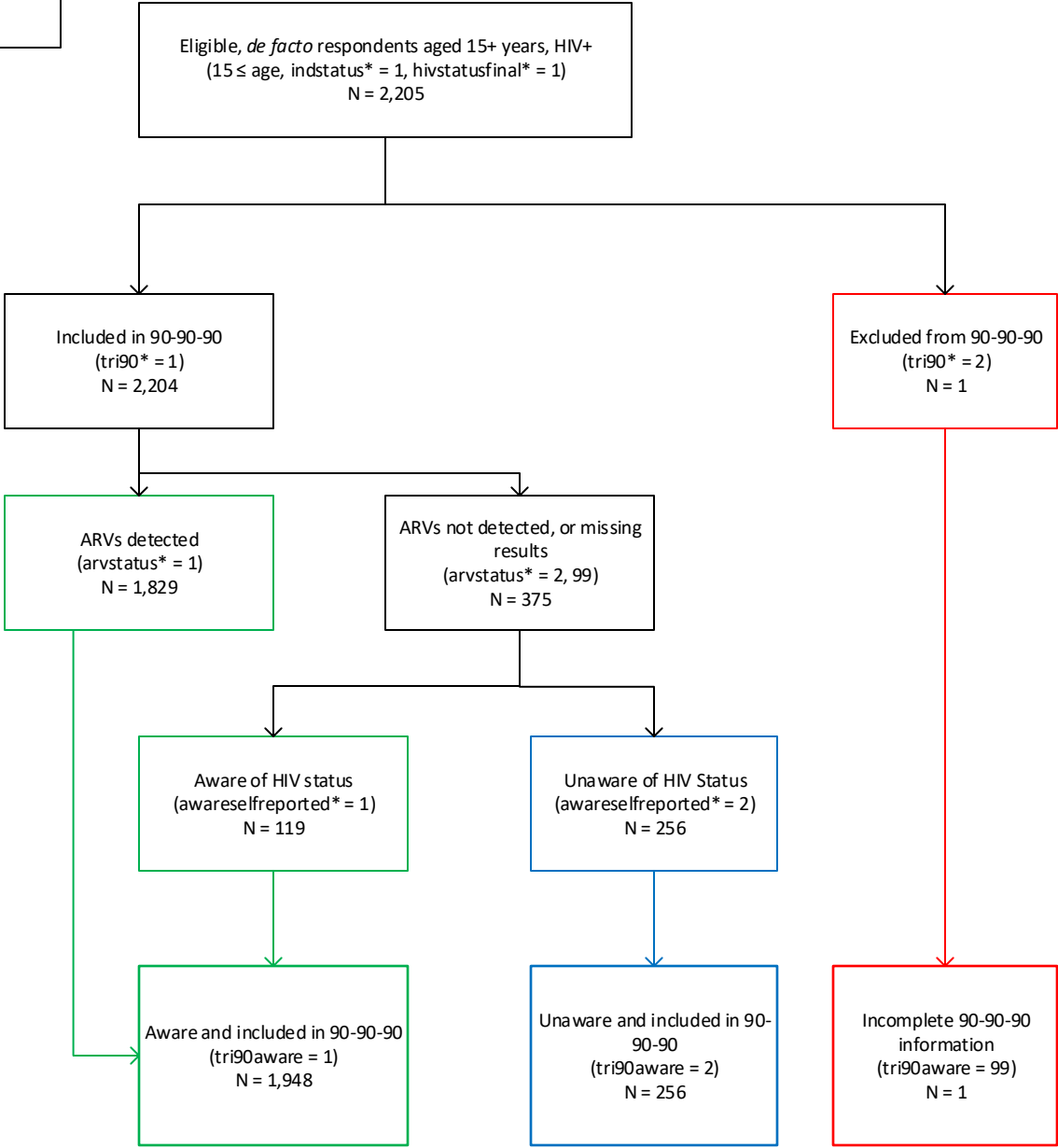
On ART and included in 90-90-
90
(tri90art = 1)
N = 1,906

Not on ART and included in 90-
90-90
(tri90art = 2)
N = 42

Unaware, not on ART,
and included in 90-90-90
(tri90art = 3)
N = 256

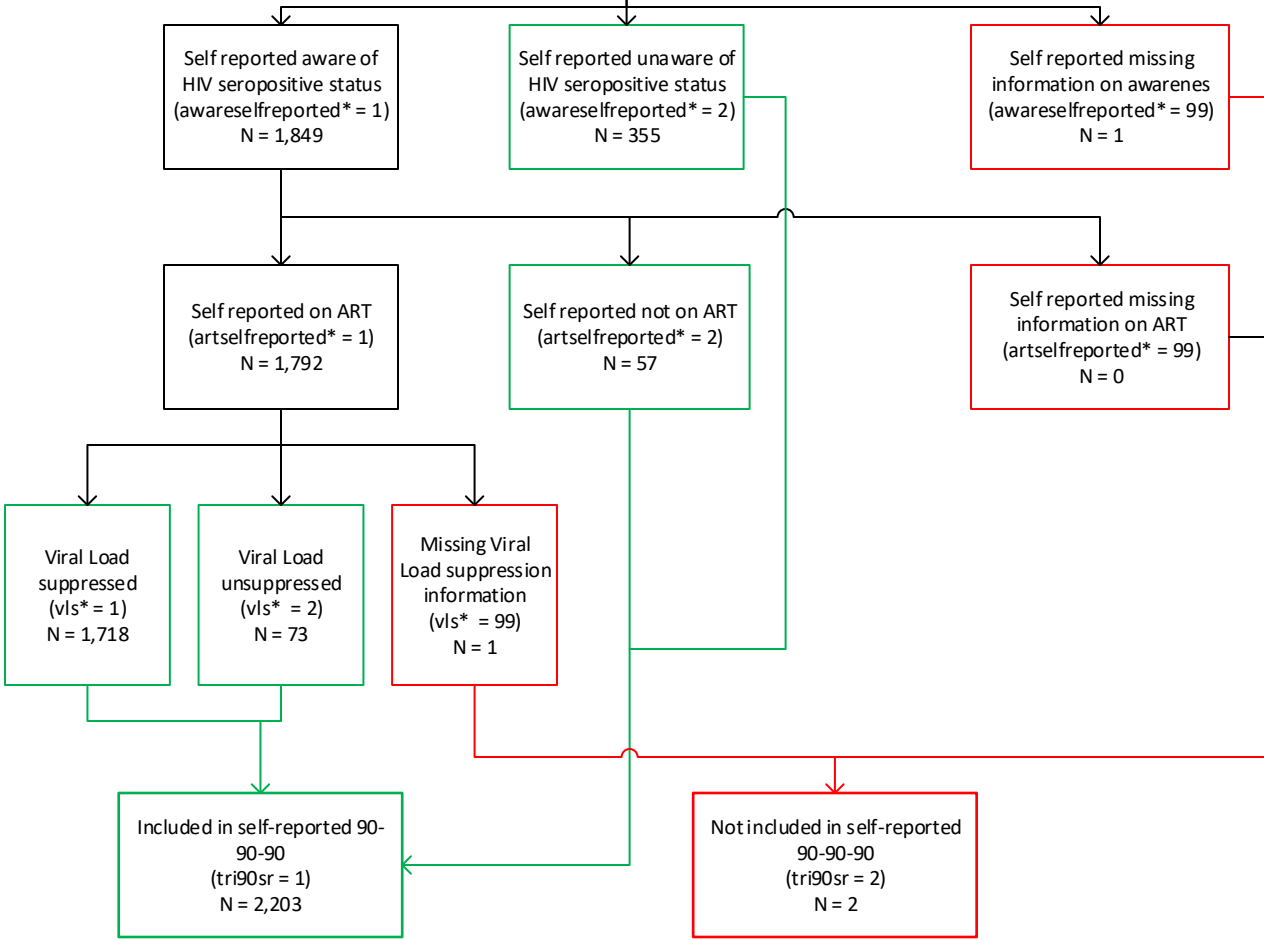
Incomplete 90-90-90
information
(tri90art = 99)
N = 1

Variable: tri90aware
Found in ZAMPHIA 2021
dataset:
Adult Biomarker

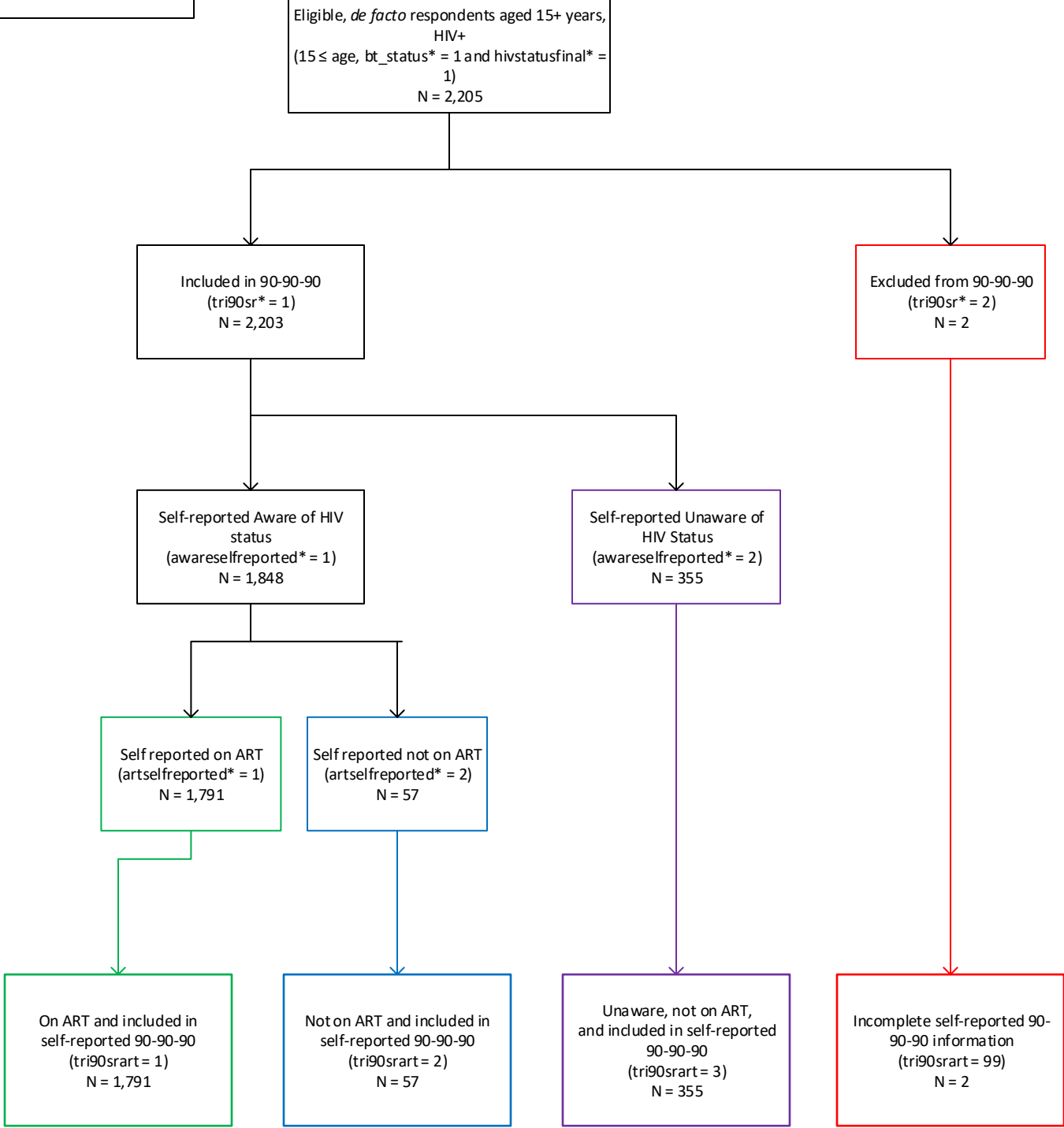


Variable: tri90sr
Found in ZAMPHIA 2021 dataset:
Adult Biomarker

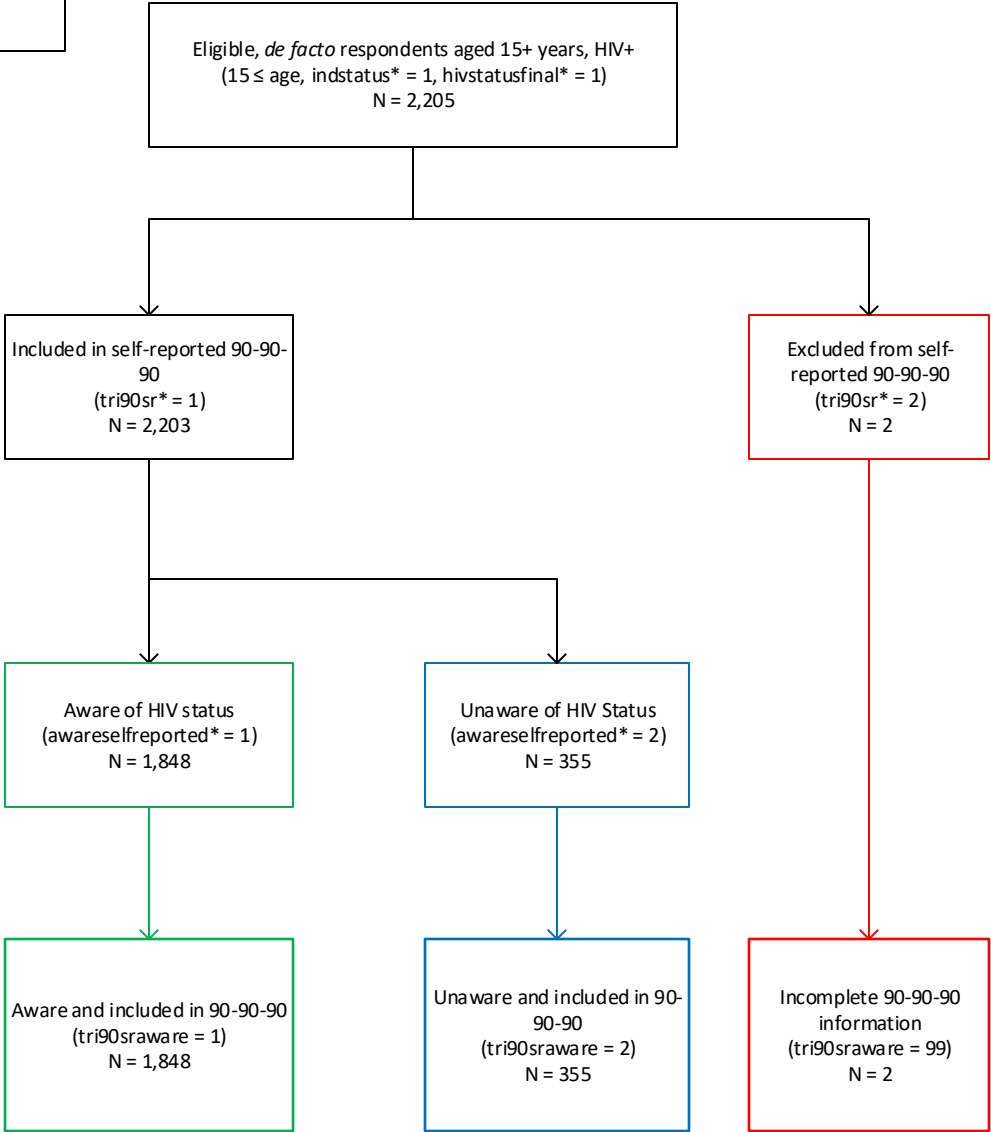
Eligible, *de facto* respondents aged 15+ years, HIV+
(15 ≤ age, indstatus* = 1, hivstatusfinal* = 1)
N = 2,205



Variable: tri90srart
Found in ZAMPHIA 2021
dataset:
Adult Biomarker



Variable: tri90sraware
Found in ZAMPHIA 2021
dataset:
Adult Biomarker



Variable: tri90srvls
Found in ZAMPHIA 2021
dataset:
Adult Biomarker

Age 15+, de facto eligible, and HIV+
(15 ≤ age, indstatus* = 1 and hivstatusfinal* = 1)
N = 2,205

Included in 90-90-90
(tri90sr* = 1)
N = 2,203

Excluded from 90-90-90
(tri90sr* = 2)
N = 2

Self-reported Aware of HIV
status
(awareselfreported* = 1)
N = 1,848

Self-reported unaware of
HIV Status
(awareselfreported* = 2)
N = 355

Self reported on ART
(artselfreported* = 1)
N = 1,791

Self reported not on ART
(artselfreported* = 2)
N = 57

Viral load suppressed
(vls* = 1)
N = 1,718

Viral load not suppressed
(vls* = 2)
N = 73

Viral load suppressed
(vls* = 1)
N = 24

Viral load not suppressed
(vls* = 2)
N = 33

Viral load suppressed
(vls* = 1)
N = 144

Viral load not suppressed
(vls* = 2)
N = 211

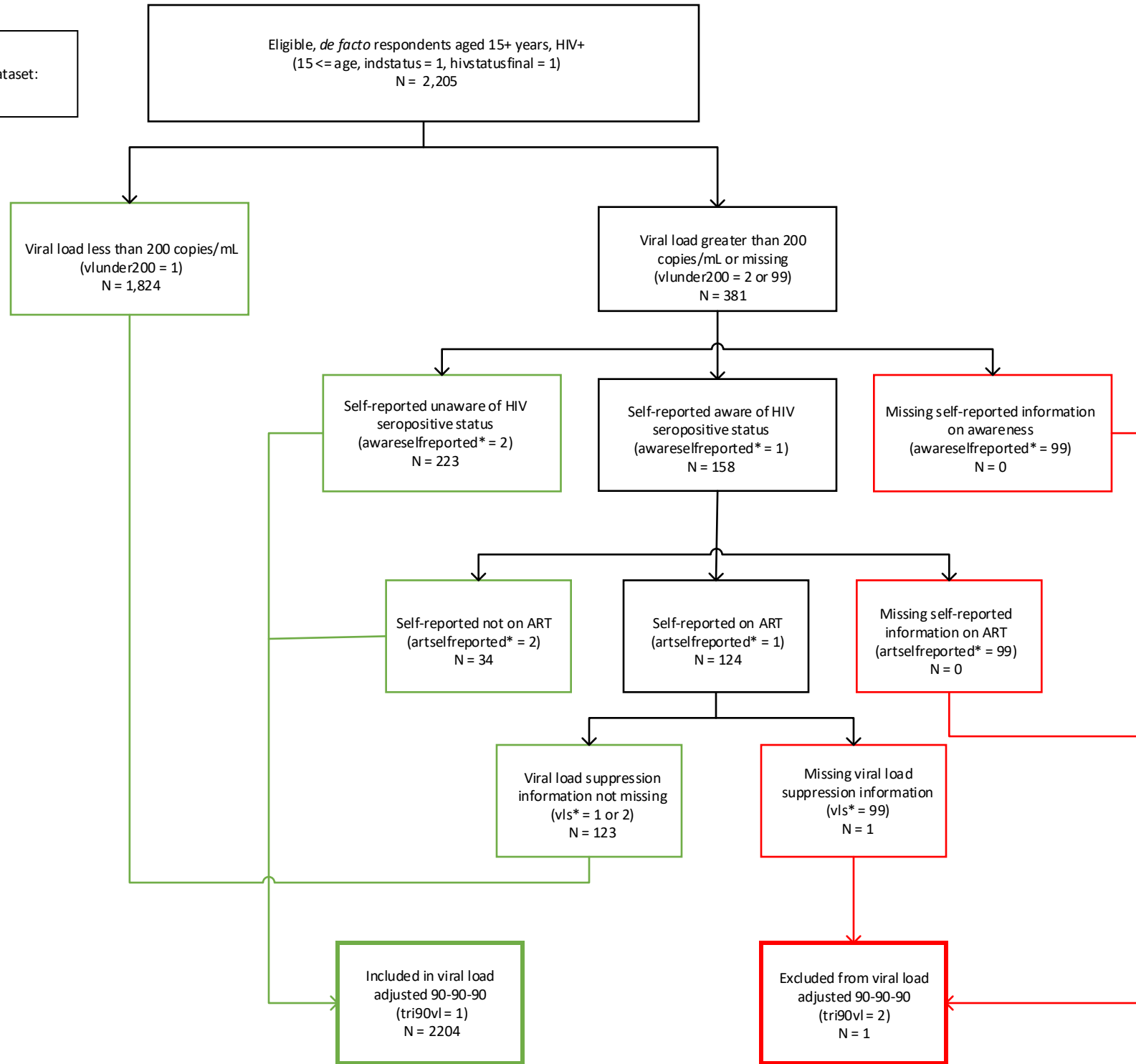
Viral load suppressed
(tri90srvls = 1)
Included in 90-90-90
N = 1,718

Viral load not suppressed
(tri90srvls = 2)
Included in 90-90-90
N = 317

Recoded as viral load not
suppressed
(tri90srvls = 3)
Included in 90-90-90
N = 168

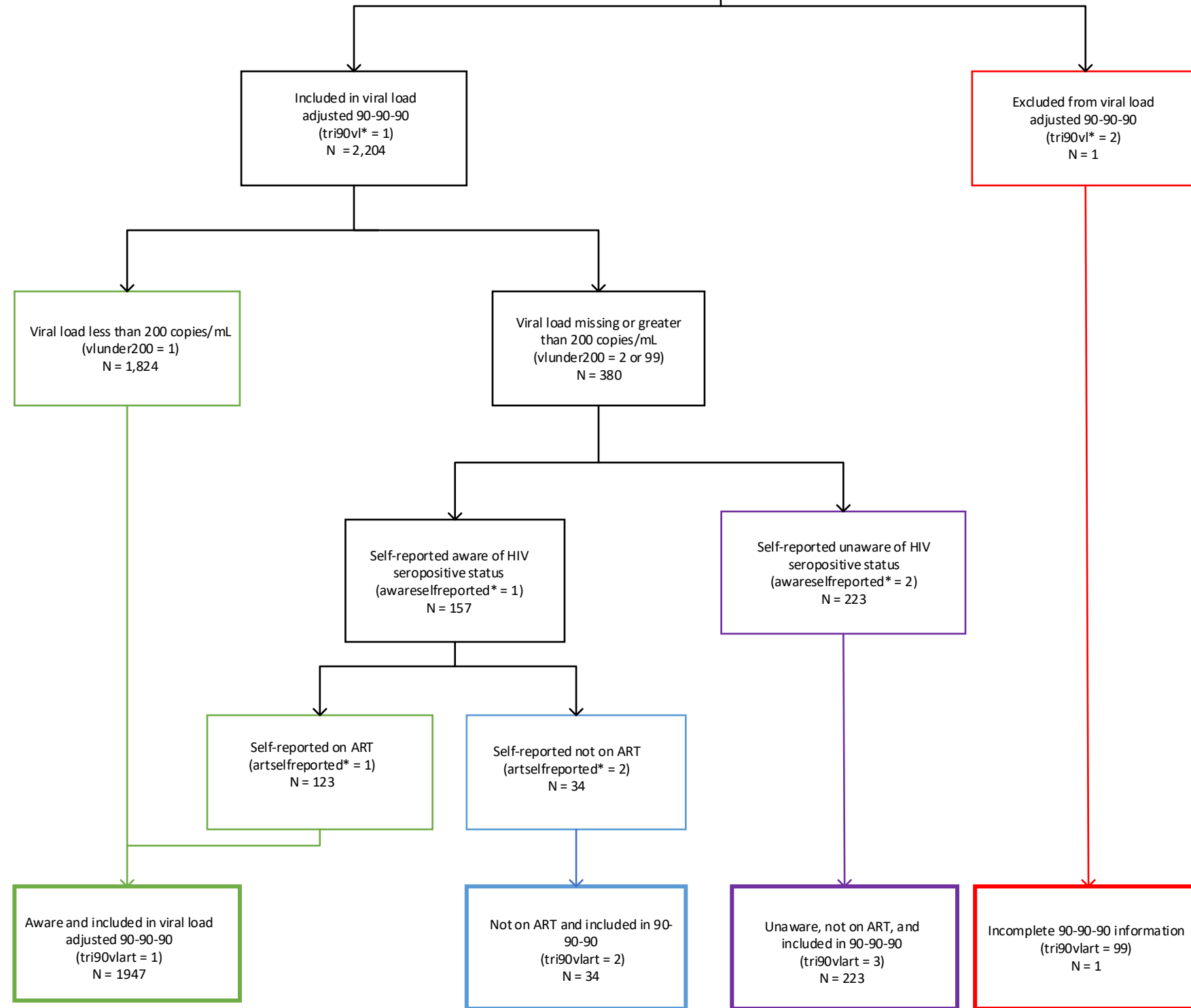
Incomplete 90-90-90
information
(tri90srvls = 99)
Excluded from 90-90-90
N = 2

Variable: tri90vl
Found in ZAMPHIA 2021 dataset:
Adult Biomarker



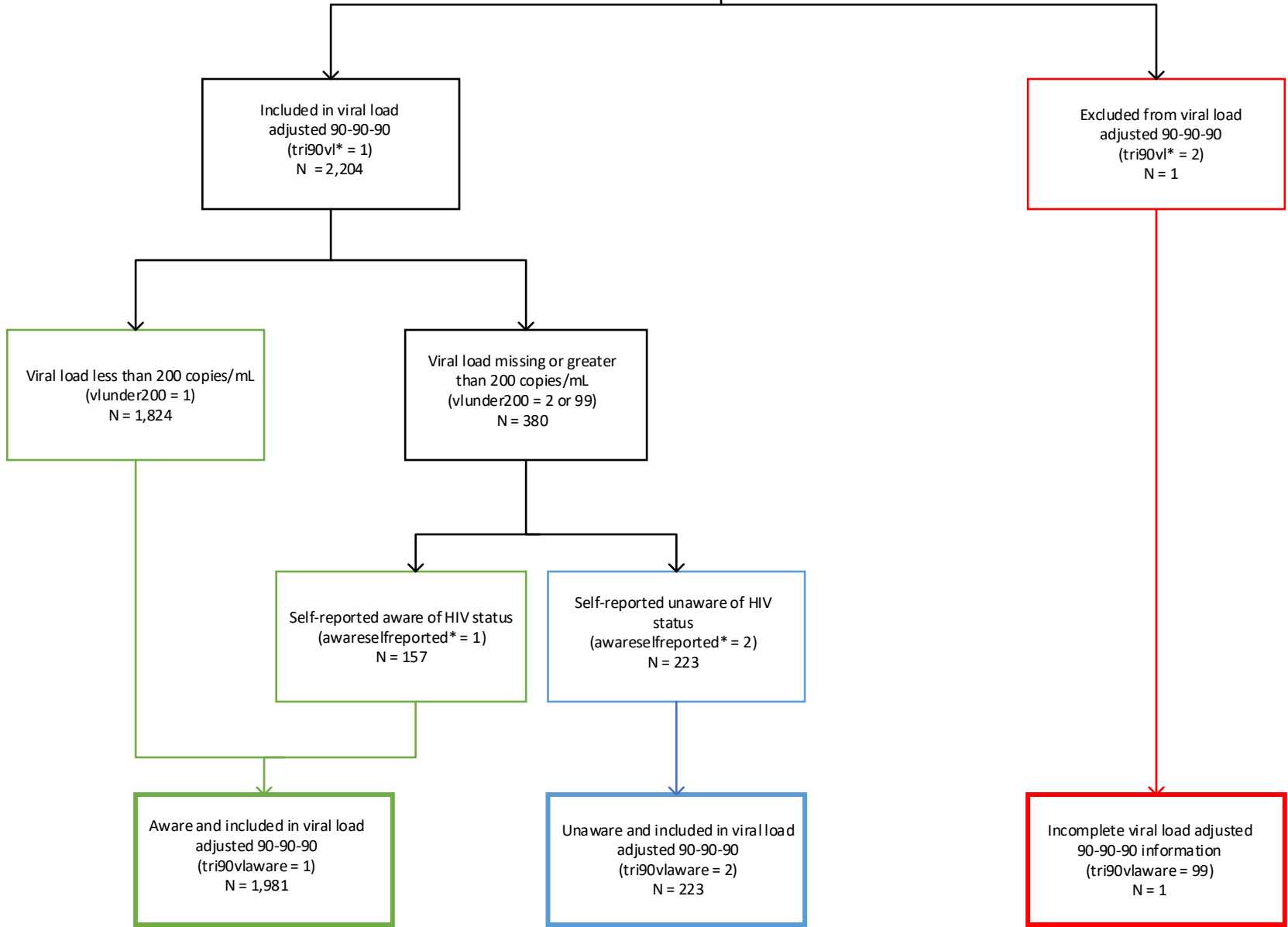
Variable: tri90vart
Found in ZAMPHIA 2021 dataset:
Adult Biomarker

Eligible, *de facto* respondents aged 15+ years, HIV+
(15 <= age, indstatus* = 1, hivstatusfinal* = 1)
N =



Variable: tri90vlaware
Found in ZAMPHIA 2021 dataset:
Adult Biomarker

Eligible, *de facto* respondents aged 15+ years, HIV+
(15 <= age, indstatus = 1, hivstatusfinal* = 1)
N = 2,205



Variable: tri90vls
Found in ZAMPHIA 2021
dataset:
Adult Biomarker

Age 15+, de facto eligible, and HIV+
(15 ≤ age, bt_status* = 1 and hivstatusfinal* = 1)
N = 2,205

Included in 90-90-90
(tri90* = 1)
N = 2,204

Excluded from 90-90-90
(tri90* = 2)
N = 1

ARVs detected
(arvstatus* = 1)
N = 1,829

ARVs not detected, or missing
results
(arvstatus* = 2, 99)
N = 375

Self-reported Aware of HIV
status
(awareselfreported* = 1)
N = 119

Self-reported unaware of
HIV Status
(awareselfreported* = 2)
N = 256

Self reported on ART
(artselfreported* = 1)
N = 77

Self reported not on ART
(artselfreported* = 2)
N = 42

Viral load
suppressed
(vls* = 1)
N = 1,793

Viral load not
suppressed
(vls* = 2)
N = 36

Viral load suppressed
(vls* = 1)
N = 32

Viral load not
suppressed
(vls* = 2)
N = 45

Viral load suppressed
(vls* = 1)
N = 9

Viral load not
suppressed
(vls* = 2)
N = 33

Viral load suppressed
(vls* = 1)
N = 53

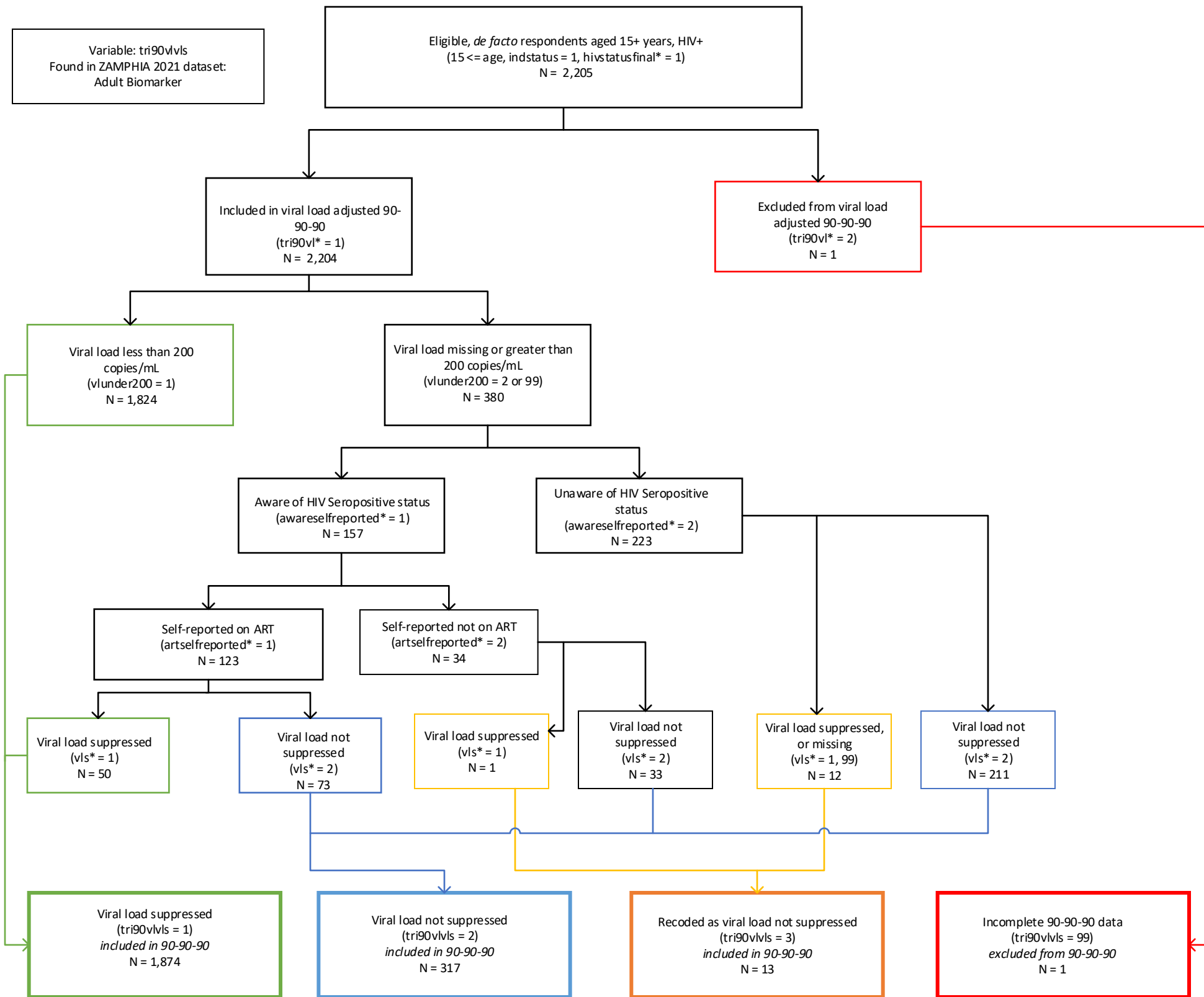
Viral load not
suppressed
(vls* = 2)
N = 203

Viral load suppressed
(tri90vls = 1)
Included in 90-90-90
N = 1,825

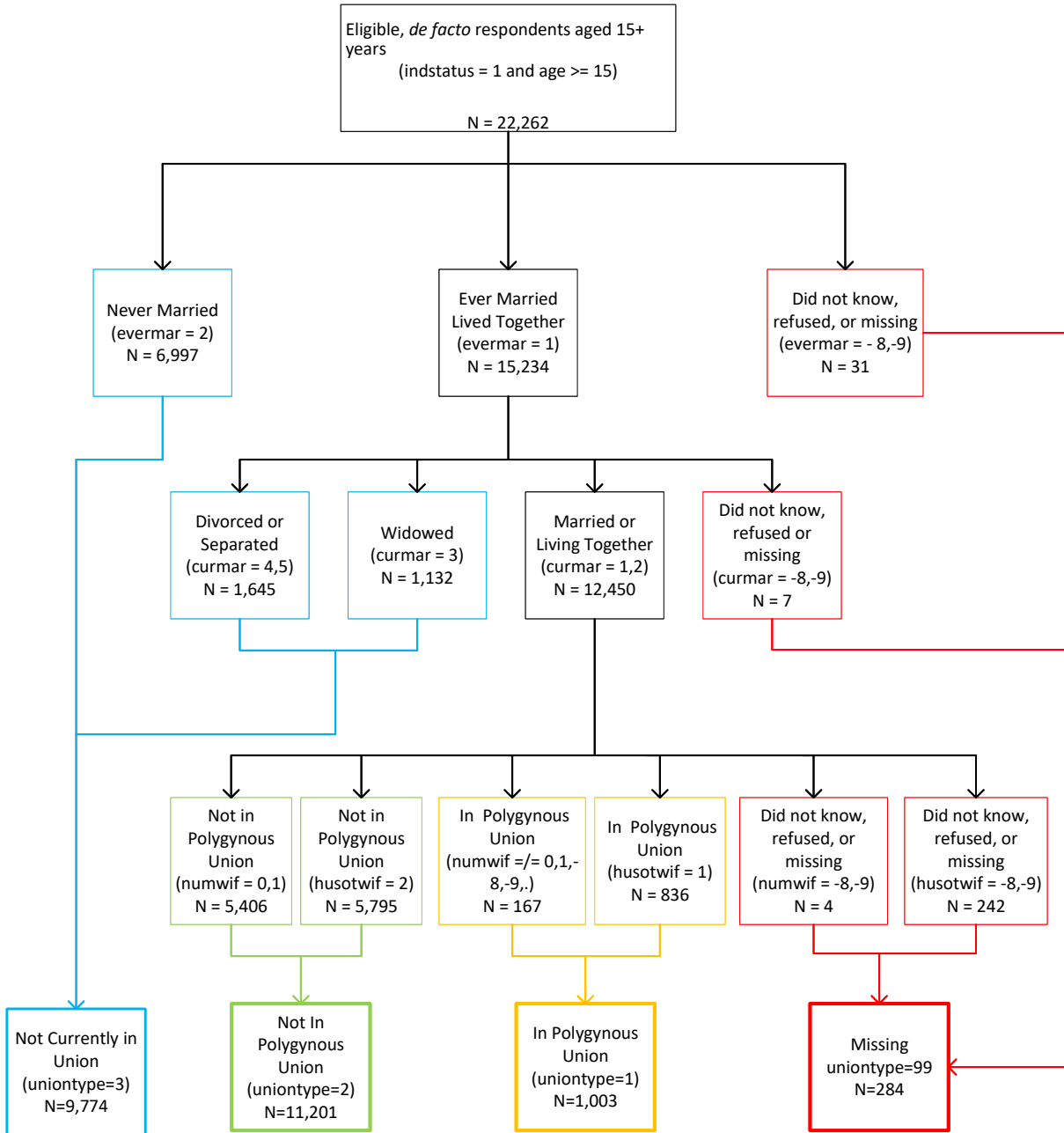
Viral load not suppressed
(tri90vls = 2)
Included in 90-90-90
N = 317

Recoded as viral load not
suppressed
(tri90vls = 3)
Included in 90-90-90
N = 62

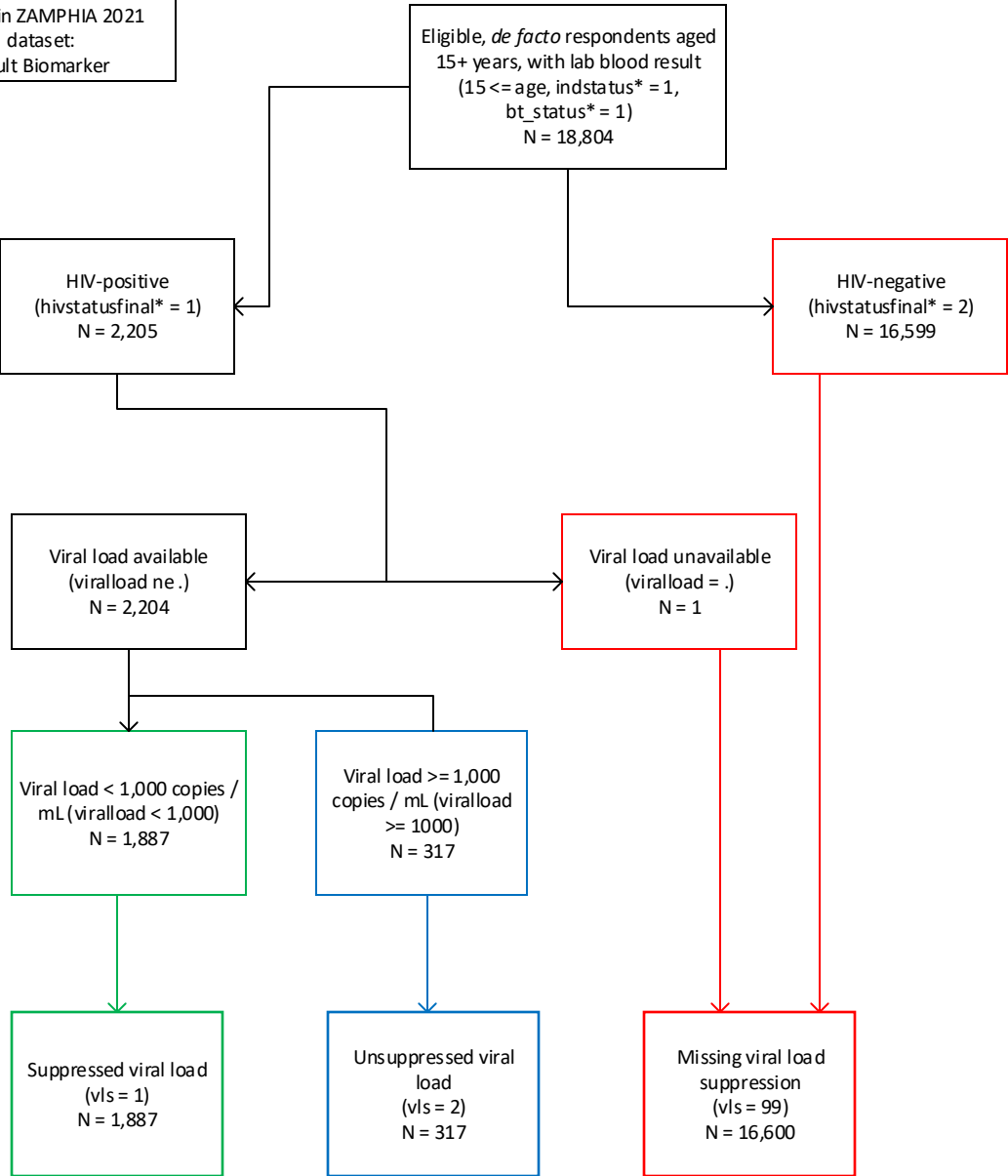
Incomplete 90-90-90
information
(tri90vls = 99)
Excluded from 90-90-90
N = 1



Variable: uniontype
 Found in ZAMPHIA 2021 dataset:
 Adult Interview



Variable: vls
Found in ZAMPHIA 2021
dataset:
Adult Biomarker



Variable: yearsonart
 Found in ZAMPHIA 2021
 dataset:
 Adult Interview

Eligible, *de facto* respondents aged 15+ years
 (indstatus* = 1 and age >= 15)
 N = 22,262

HIV Positive
 (hivstatusfinal = 1)
 N = 2,205

HIV Negative or
 missing
 (hivstatusfinal ne 1)
 N = 20,057

Currently taking
 ARVs
 (arvcurrent = 1)
 N = 1,792

Currently taking ARVs missing
 or unknown
 (arvcurrent = -8,-9, or .)
 N = 380

Not currently taking
 ARVs
 (arvcurrent = 2)
 N = 33

Valid month and year of
 starting ART available
 (arvftm > 0 and arvfty > 0)
 N = 1,384

Missing month of starting
 ART, but non-missing year of
 starting ART
 (arvftm = . and arvfty > 0)
 N = 371

Missing year of
 starting ART
 (arvfty = .)
 N = 37

Difference
 in months
 between
 ART start
 date
 and survey
 date ≥ 120
 N = 375

Difference in
 months
 between ART
 start date
 and survey
 date between
 60 and 119
 N = 379

Difference
 in months
 between
 ART start
 date
 and survey
 date
 between
 12 and 59
 N = 477

Difference
 in months
 between
 ART start
 date
 and survey
 date
 between
 0 and 11
 N = 153

Difference
 in years
 between
 ART start
 date
 and survey
 date > 10
 N = 112

Difference in
 years
 between ART
 start date
 and survey
 date is 0
 N = 6

Difference
 in years
 between
 ART start
 date
 and survey
 date is 2,3,
 or 4
 N = 95

Difference
 in years
 between
 ART start
 date
 and survey
 date is 6,7,
 8, or 9
 N = 100

Difference
 in years
 between
 ART start
 date
 and survey
 date
 is 1,5, or 10
 N = 58

On ART for 10 or more
 years
 (yearsonart = 4)
 N = 487

On ART for 5 to less than 10
 years
 (yearsonart = 3)
 N = 479

On ART for 1 to less than 5
 years
 (yearsonart = 2)
 N = 572

On ART less than 1 year
 (yearsonart = 1)
 N = 159

Not on ART
 or missing
 (yearsonart = 99)
 N = 20,565