

South Africa

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AHRI.Core Dataset:Migrations

Study Documentation

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Metadata Production

| | |
|-----------------------------|---|
| Metadata Producer(s) | Africa Health Research Institute (AHRI) |
| Identification | DDI.AHRI.RD01-14.HDSS.Migrations |

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AHRI.Core Dataset:Migrations

| Overview | |
|---|------------------------------|
| Identification | AHRI.RD01-14.HDSS.Migrations |
| Version | v8.0.0 |
| Abstract | |
| <p>Describes migrations, which can (and must be) linked to Individual and Household Residency Start and End Events (IRStartEvent and IREndEvent, HRStartEvent and HREndEvent) Hence this dataset is only useful in conjunction with the Individual and Household Residency datasets It cannot be used 'standalone' An internal migration, i.e. from one Bounded Structure to another within the DSA, will identify the two BSIDs in OriginBSIntId and DestinationBSIntId. The individuals (or Households) involved should have a Residency episode at OriginBSIntId which has an EndEvent which is the migration MIntId. They should also have subsequent Residency episode at DestinationBSIntId which has a StartEvent which is again the Migration MIntId. Note that this implies that for all internal migrations the EndEvent of the origin Residency episode and the StartEvent of the subsequent, destination Residency episode will be the same event. For InMigrations i.e. moves into the DSA from outside, the OriginBSID should be blank, but the Destination should not be. The individuals or Households involved should have a Residency episode at the destination BSIntId which has a StartEvent matching the MIntId, and which will be of Type EII or EHI. For Outmigrations i.e. moves away from the DSA, the destination BSIntId will be blank, but the origin will not. The individuals or households moving out will have a Residency episode at the Origin BSIntid which has an EndEvent matching the MIntId and which will be of Type EIO or EHO. Note there is redundancy in the Migrations vs Residencies datasets insofar as the BSIntIds involved are always identified in both. It would be good to investigate the extent to which they are in fact consistent. It would also be useful to investigate how many 'orphan' Migrations there are (i.e. ones that are no referred to in any Residency. In a perfectly clean dataset there should be no inconsistent BSIntIds at all and no 'orphans'.</p> | |
| Unit of Analysis | Migrations |

| | |
|-----------------------|--------------|
| Topics | Migrations |
| Time Period(s) | 2000-2018 |
| Countries | South Africa |

Producers & Sponsors

| | |
|--------------------------------|--|
| Primary Investigator(s) | Kobus Herbst, Africa Health Research Institute; South African Population Research Infrastructure Network |
| Other Producer(s) | Africa Health Research Institute (AHRI) |

Data Collection

| | |
|------------------------------|------------------------------------|
| Data Collection Dates | start 2000-01-01 end 2018-12-31 |
|------------------------------|------------------------------------|

Accessibility

Access Conditions

Access to the data requires accurate completion of the online data access application form accessible on the AHRI Data repository(<<https://data.ahri.org/>>). Data users are required to abide by the data use conditions stipulated on the application for access to the data. Failure to do so may result in their data access privileges being revoked by the Data Custodian. In order

to recognise the effort and intellectual contributions of AHRI investigators in producing and curating the data, users of AHRI data must acknowledge the source of the data and abide by the terms and conditions under which the data is accessed and must cite the dataset in publication using the citation provided as part of this documentation. All analytical datasets published on the AHRI Data Repository are assigned digital object identifier (DOIs) and the DOIs can be found on the Data Repository under Study Description tab - Access policy. AHRI data users are required to always cite the dataset using the relevant DOI.

Citation Requirements

Herbst, K. (2026). AHRI.Core Dataset:Migrations [Data set]. Africa Health Research Institute.

DOI: <https://doi.org/10.23664/AHRI.HDSS.MIGRATIONS>

Files Description

Dataset contains 1 file(s)

| RD01-14 ACDIS Migrations | |
|---------------------------------|--------|
| # Cases | 345238 |
| # Variable(s) | 12 |

Variables List

Dataset contains 12 variable(s)

| File RD01-14 ACDIS Migrations | | | | | | | |
|-------------------------------|-----------------------------|--|------------|---------------|--------|---------|----------|
| # | Name | Label | Type | Format | Valid | Invalid | Question |
| 1 | MIntId | Unique Id of Migration | continuous | numeric-12.0 | 345238 | 0 | - |
| 2 | OriginBS .. | Bounded Structure where migration started | continuous | numeric-12.0 | 231108 | 114130 | - |
| 3 | OriginOt .. | Place where migration started if not a BS in DSA | discrete | character-100 | 112479 | 0 | - |
| 4 | OriginOt .. | Location code where migration started if not a BS in DSA | discrete | character-50 | 112480 | 0 | - |
| 5 | OriginOt .. | Is location in previous variable Urban or not? | discrete | numeric-12.0 | 112480 | 232758 | - |
| 6 | OriginOt .. | Is the location in previous variable Formal or not | discrete | numeric-12.0 | 112480 | 232758 | - |
| 7 | DestBSIn .. | Bounded Structure where migration ended | continuous | numeric-12.0 | 218393 | 126845 | - |
| 8 | DestOthe .. | Place where migration started if not a BS in DSA | discrete | character-100 | 124831 | 0 | - |
| 9 | DestOthe .. | Location code where migration started if not a BS in DSA | discrete | character-50 | 124831 | 0 | - |
| 10 | DestOthe .. | Is location in previous variable Urban or not? | discrete | numeric-12.0 | 124831 | 220407 | - |
| 11 | DestOthe .. | Is the location in previous variable Formal or not | discrete | numeric-12.0 | 124831 | 220407 | - |
| 12 | Migratio .. | Reason for Migration coded | discrete | numeric-12.0 | 345238 | 0 | - |

Variables Description

Dataset contains 12 variable(s)

File : RD01-14 ACDIS Migrations

MIntId: Unique Id of Migration

Information [Type= continuous] [Format=numeric] [Range= 34-3432512] [Missing=*]

Statistics [NW/ W] [Valid=345238 /-] [Invalid=0 /-] [Mean=1528929.349 /-] [StdDev=968836.179 /-]

OriginBSIntId: Bounded Structure where migration started

Information [Type= continuous] [Format=numeric] [Range= 11-999998] [Missing=*]

Statistics [NW/ W] [Valid=231108 /-] [Invalid=114130 /-] [Mean=87953.766 /-] [StdDev=266519.162 /-]

OriginOtherPlace: Place where migration started if not a BS in DSA

Information [Type= discrete] [Format=character] [Missing=*]

Statistics [NW/ W] [Valid=112479 /-] [Invalid=0 /-]

OriginOtherPlaceLocation: Location code where migration started if not a BS in DSA

Information [Type= discrete] [Format=character] [Missing=*]

Statistics [NW/ W] [Valid=112480 /-] [Invalid=0 /-]

OriginOtherPlaceIsUrban: Is location in previous variable Urban or not?

Information [Type= discrete] [Format=numeric] [Range= 1-99] [Missing=*]

Statistics [NW/ W] [Valid=112480 /-] [Invalid=232758 /-]

| Value | Label | Cases | Percentage |
|---------|----------------|--------|------------|
| 1 | Yes | 57645 | 51.2% |
| 2 | No | 53914 | 47.9% |
| 90 | SpecialQuery | 0 | |
| 92 | Deprecated | 0 | |
| 93 | Refused | 0 | |
| 94 | Query | 0 | |
| 95 | Default | 0 | |
| 96 | Other | 0 | |
| 97 | Not Applicable | 210 | 0.2% |
| 98 | Don't know | 711 | 0.6% |
| 99 | Missing | 0 | |
| Sysmiss | | 232758 | |

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

OriginOtherPlaceIsFormal: Is the location in previous variable Formal or not

Information [Type= discrete] [Format=numeric] [Range= 1-99] [Missing=*]

Statistics [NW/ W] [Valid=112480 /-] [Invalid=232758 /-]

| Value | Label | Cases | Percentage |
|-------|----------------|-------|------------|
| 1 | Yes | 55431 | 49.3% |
| 2 | No | 28454 | 25.3% |
| 90 | SpecialQuery | 0 | |
| 92 | Deprecated | 0 | |
| 93 | Refused | 0 | |
| 94 | Query | 0 | |
| 95 | Default | 0 | |
| 96 | Other | 26697 | 23.7% |
| 97 | Not Applicable | 214 | 0.2% |

File : RD01-14 ACDIS Migrations

OriginOtherPlaceIsFormal: Is the location in previous variable Formal or not

| Value | Label | Cases | Percentage |
|---------|------------|--------|------------|
| 98 | Don?t know | 1180 | 1.0% |
| 99 | Missing | 504 | 0.4% |
| Sysmiss | | 232758 | |

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

DestBSIntId: Bounded Structure where migration ended

| | |
|---------------------------|---|
| Information | [Type= continuous] [Format=numeric] [Range= 11-999998] [Missing=*] |
| Statistics [NW/ W] | [Valid=218393 /-] [Invalid=126845 /-] [Mean=222365.559 /-] [StdDev=403238.127 /-] |

DestOtherPlace: Place where migration started if not a BS in DSA

| | |
|---------------------------|---|
| Information | [Type= discrete] [Format=character] [Missing=*] |
| Statistics [NW/ W] | [Valid=124831 /-] [Invalid=0 /-] |

DestOtherPlaceLocation: Location code where migration started if not a BS in DSA

| | |
|---------------------------|---|
| Information | [Type= discrete] [Format=character] [Missing=*] |
| Statistics [NW/ W] | [Valid=124831 /-] [Invalid=0 /-] |

DestOtherPlaceIsUrban: Is location in previous variable Urban or not?

| | |
|---------------------------|---|
| Information | [Type= discrete] [Format=numeric] [Range= 1-99] [Missing=*] |
| Statistics [NW/ W] | [Valid=124831 /-] [Invalid=220407 /-] |

| Value | Label | Cases | Percentage |
|---------|----------------|--------|------------|
| 1 | Yes | 76313 | 61.1% |
| 2 | No | 45747 | 36.6% |
| 90 | SpecialQuery | 0 | |
| 92 | Deprecated | 0 | |
| 93 | Refused | 0 | |
| 94 | Query | 0 | |
| 95 | Default | 0 | |
| 96 | Other | 0 | |
| 97 | Not Applicable | 251 | 0.2% |
| 98 | Don?t know | 2520 | 2.0% |
| 99 | Missing | 0 | |
| Sysmiss | | 220407 | |

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

DestOtherPlaceIsFormal: Is the location in previous variable Formal or not

| | |
|---------------------------|---|
| Information | [Type= discrete] [Format=numeric] [Range= 1-99] [Missing=*] |
| Statistics [NW/ W] | [Valid=124831 /-] [Invalid=220407 /-] |

| Value | Label | Cases | Percentage |
|-------|--------------|-------|------------|
| 1 | Yes | 73072 | 58.5% |
| 2 | No | 26309 | 21.1% |
| 90 | SpecialQuery | 0 | |
| 92 | Deprecated | 0 | |
| 93 | Refused | 0 | |
| 94 | Query | 0 | |

File : RD01-14 ACDIS Migrations

DestOtherPlaceIsFormal: Is the location in previous variable Formal or not

| Value | Label | Cases | Percentage |
|---------|----------------|--------|------------|
| 95 | Default | 0 | |
| 96 | Other | 21496 | 17.2% |
| 97 | Not Applicable | 309 | 0.2% |
| 98 | Don?t know | 3115 | 2.5% |
| 99 | Missing | 530 | 0.4% |
| Sysmiss | | 220407 | |

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

MigrationReasonCode: Reason for Migration coded

| | |
|---------------------------|--|
| Information | [Type= discrete] [Format=numeric] [Range= 1-999] [Missing=*] |
| Statistics [NW/ W] | [Valid=345238 /-] [Invalid=0 /-] |

| Value | Label | Cases | Percentage |
|-------|---|--------|------------|
| 1 | Accommodation | 107633 | 31.2% |
| 2 | Built or bought house | 13153 | 3.8% |
| 3 | Changed rented accommodation | 8044 | 2.3% |
| 4 | Household formation | 1374 | 0.4% |
| 5 | Education | 8455 | 2.4% |
| 6 | Schooling | 21289 | 6.2% |
| 7 | Finished School | 4714 | 1.4% |
| 8 | Left School | 492 | 0.1% |
| 9 | Employment | 11094 | 3.2% |
| 10 | Searching | 6341 | 1.8% |
| 11 | Changed jobs | 3133 | 0.9% |
| 12 | Transfer | 276 | 0.1% |
| 13 | Left Employment | 12161 | 3.5% |
| 14 | Left employment as a domestic worker | 756 | 0.2% |
| 15 | To be near place of work | 24602 | 7.1% |
| 16 | To look after a Bounded Structure | 1056 | 0.3% |
| 17 | Violence or conflict | 81 | 0.0% |
| 18 | Domestic violence or disagreement | 286 | 0.1% |
| 19 | Victim or fear of crime | 183 | 0.1% |
| 20 | Perpetrator of crime | 24 | 0.0% |
| 21 | Prison | 346 | 0.1% |
| 22 | Faction fights | 29 | 0.0% |
| 23 | Health | 97 | 0.0% |
| 24 | Sickness | 1054 | 0.3% |
| 25 | Well | 1002 | 0.3% |
| 26 | Prevention | 6 | 0.0% |
| 27 | Marriage or conjugal relationships | 910 | 0.3% |
| 28 | Start of new marriage or conjugal partnership | 905 | 0.3% |
| 29 | Split | 548 | 0.2% |
| 30 | To be close to a spouse or a partner | 2743 | 0.8% |
| 31 | Pregnancy | 88 | 0.0% |
| 32 | Came to destination for delivery | 192 | 0.1% |

File : RD01-14 ACDIS Migrations

MigrationReasonCode: Reason for Migration coded

| Value | Label | Cases | Percentage |
|-------|---|-------|------------|
| 33 | Return to usual place after of residence delivery | 80 | 0.0% |
| 34 | Caring | 3002 | 0.9% |
| 35 | To care for someone | 737 | 0.2% |
| 36 | To be cared for | 23722 | 6.9% |
| 37 | Was caring for someone | 295 | 0.1% |
| 38 | Traditional Healing | 208 | 0.1% |
| 93 | Dont Know or No Reason given | 3307 | 1.0% |
| 95 | Default | 9031 | 2.6% |
| 96 | Other | 10512 | 3.0% |
| 97 | Not Applicable | 61277 | 17.7% |
| 999 | Unknown | 0 | |

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.