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 | Supplementary Table 7. Individual charac
 | cteristics of included stud | dies | |
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| | |

 | Timing of data

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 |
 | Recrutment

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 | Study participants clinical case | | | RABV confirmed case
 | | | |
 | | | |
| Author | Study Design |

 | Number of sites collection

 | UNSD Regio | n Country

 | Period of inclusion of participants

 | %Male
Unclear/Not

 | Age (years) Age range s
Unclear/Not Unclear/Not U
 | setting Settin
Unclear/Not Uncle

 | ear/Not

 | ospitalization Type of hospital
 | definition | | RABV probable case definition |
 | Sample types | | Ŭ | ection Status
 | Order | Population characteristics | Species |
| Aghomo, 1990 | Cross sectional | Probabilistic

 | Multicenter Prospectively

 | West Africa | Nigeria

 | Unclear/Not reported

 | reported
Unclear/Not

 | reported reported re
Unclear/Not Unclear/Not U
 | reported report
Unclear/Not Uncle

 | rted No
ear/Not

 | ot applicable (if not in the hospital) Not applicable (if not in the hospital)
 | Unclear/Not reported | Unclear/Not reported | Unclear/Not reported | Unclear/Not reported
 | Brain | Direct fluorescent antibody test | Antigen Curi | rrent contact
 | Chiroptera | Bats | Other animals |
| Aghomo, 1990 | Cross sectional | Probabilistic

 | Multicenter Prospectively

 | West Africa | Nigeria

 | Unclear/Not reported

 | reported

 | reported reported re
 | reported report
Unclear/Not Uncle

 |

 | t applicable (if not in the hospital) Not applicable (if not in the hospital)
 | Unclear/Not reported | Unclear/Not reported | Unclear/Not reported | Unclear/Not reported
 | Serum | Direct fluorescent antibody test | Antigen Curi | rrent contact
 | Chiroptera | Bats | Other animals |
| Ajayi, 2006 | Cross sectional | Non probabilistic

 | Monocenter Prospectively

 | West Africa | Nigeria

 | Unclear/Not reported

 | 63.5
Unclear/Not

 | reported reported re
Unclear/Not Unclear/Not
 | reported report
Comr

 | rted No
munity-

 | ot applicable (if not in the hospital) Not applicable (if not in the hospital)
 | Unclear/Not reported | Unclear/Not reported | Unclear/Not reported | Unclear/Not reported
 | Saliva | Direct Rapid Immunohistochemistry Test | Antigen Curr | rrent contact
 | | Dogs unspecified | Dogs |
| Alabi, 2014 | Cross sectional | Non probabilistic

 | Monocenter Retrospectively

 | West Africa | Nigeria

 | 2006- 2008

 | reported

 | reported reported R
Unclear/Not Unclear/Not
 | Rural based

 | , ,

 | ot applicable (if not in the hospital) Not applicable (if not in the hospital)
 | Unclear/Not reported | Unclear/Not reported | Unclear/Not reported | Unclear/Not reported
 | Brain | Direct fluorescent antibody test | Antigen Curi | rrent contact
 | | Dogs unspecified | Dogs |
| Alexander, 1993 | Cross sectional | Non probabilistic

 | Monocenter Retroprospective

 | y Eastern Afric | a Kenya

 | 1989-1990

 | reported

 | reported reported R
Unclear/Not Unclear/Not
 | Rural based

 | , ,

 | t applicable (if not in the hospital) Not applicable (if not in the hospital)
 | Unclear/Not reported | Unclear/Not reported | Unclear/Not reported | Unclear/Not reported
 | Serum | Rapid fluorescent focus inhibition test | Antibodies Pas | st contact
 | Carnivora | Hyenas | Other animals |
| Alexander, 1993 | Cross sectional | Non probabilistic

 | Monocenter Retroprospective

 | y Eastern Afric | a Kenya

 | 1989-1990

 | reported

 | reported reported R
Unclear/Not Unclear/Not
 | Rural based

 |

 | t applicable (if not in the hospital) Not applicable (if not in the hospital)
 | Unclear/Not reported | Unclear/Not reported | Unclear/Not reported | Unclear/Not reported
 | Brain | Direct fluorescent antibody test | Antigen Curr | rrent contact
 | Artiodactyla | Cows | Other animals |
| Alexander, 1993 | Cross sectional | Non probabilistic

 | Monocenter Retroprospective

 | y Eastern Afric | a Kenya

 | 1989-1990

 | reported

 | reported reported R
Unclear/Not Unclear/Not
 | Rural based

 | d No

 | t applicable (if not in the hospital) Not applicable (if not in the hospital)
 | Unclear/Not reported | Unclear/Not reported | Unclear/Not reported | Unclear/Not reported
 | Serum | Rapid fluorescent focus inhibition test | Antibodies Pas | st contact
 | | Domestic dogs | Dogs |
| Alexander, 1993 | Cross sectional | Non probabilistic

 | Monocenter Retroprospective

 | y Eastern Afric | a Kenya

 | 1989-1990

 | reported

 | reported reported R
 | Rural based

 |

 | ot applicable (if not in the hospital) Not applicable (if not in the hospital)
 | Unclear/Not reported | Unclear/Not reported | Unclear/Not reported | Unclear/Not reported
 | Brain | Direct fluorescent antibody test | Antigen Curi | rrent contact
 | Artiodactyla | Wildebeest | Other animals |
| Alexander, 1993 | Cross sectional | Non probabilistic

 | Monocenter Retroprospective

 | y Eastern Afric | a Kenya

 | 1989-1990

 | reported

 | Unclear/Not Unclear/Not reported reported R
 | Rural based

 |

 | ot applicable (if not in the hospital) Not applicable (if not in the hospital)
 | Unclear/Not reported | Unclear/Not reported | Unclear/Not reported | Unclear/Not reported
 | Serum | Rapid fluorescent focus inhibition test | Antibodies Pas | st contact
 | | Wild dogs | Dogs |
| Alexander, 1993 | Cross sectional | Non probabilistic

 | Monocenter Retroprospective

 | y Eastern Afric | a Kenya

 | 1989-1990

 | reported

 | Unclear/Not Unclear/Not reported R
 | Rural based

 |

 | ot applicable (if not in the hospital) Not applicable (if not in the hospital)
 | Unclear/Not reported | Unclear/Not reported | Unclear/Not reported | Unclear/Not reported
 | Brain | Direct fluorescent antibody test | Antigen Curr | rrent contact
 | | Domestic dogs | Dogs |
| Alexander, 1994 | Cross sectional | Non probabilistic

 | Multicenter Retrospectively

 | Eastern Afric | a Kenya

 | Apr/1987-Jan/ 1988

 | reported

 | Unclear/Not Unclear/Not
reported reported R
 | Comr
Rural based

 | munity-
ed No

 | ot applicable (if not in the hospital) Unclear/Not reported
 | Unclear/Not reported | Unclear/Not reported | Unclear/Not reported | Unclear/Not reported
 | Serum | Rapid fluorescent focus inhibition test | Antibodies Pas | st contact
 | Carnivora | Jackals | Other animals |
| Ali, 2010 | Cross sectional | Non probabilistic

 | Monocenter Retrospectively

 | Eastern Afric | a Ethiopia

 | 2003-2009

 | 76,4

 | Unclear/Not Unclear/Not reported L
 | Comr
Urban based

 | munity-
ed No

 | ot applicable (if not in the hospital) Not applicable (if not in the hospital)
 | Unclear/Not reported | Unclear/Not reported | Unclear/Not reported | Unclear/Not reported
 | Brain | Direct fluorescent antibody test | Antigen Curi | rrent contact
 | Carnivora | Cats | Other animals |
| Ali, 2010 | Cross sectional | Non probabilistic

 | Monocenter Retrospectively

 | Eastern Afric | a Ethiopia

 | 2003-2009

 | 76,4

 | Unclear/Not Unclear/Not reported L
 | Comr
Urban based

 | munity-
ed No

 | ot applicable (if not in the hospital) Not applicable (if not in the hospital)
 | Unclear/Not reported | Unclear/Not reported | Unclear/Not reported | Unclear/Not reported
 | Brain | Direct fluorescent antibody test | Antigen Curi | rrent contact
 | Artiodactyla | Cattle | Other animals |
| Ali, 2010 | Cross sectional | Non probabilistic

 | Monocenter Retrospectively

 | Eastern Afric | a Ethiopia

 | 2003-2009

 | 76,4

 | Unclear/Not Unclear/Not reported reported L
 | Comr
Urban based

 | munity-

 | t applicable (if not in the hospital) Not applicable (if not in the hospital)
 | Unclear/Not reported | Unclear/Not reported | Unclear/Not reported | Unclear/Not reported
 | Brain | Direct fluorescent antibody test | Antigen Curi | rrent contact
 | Perissodactyla | Donkevs | Other animals |
| Ali, 2010 | Cross sectional | Non probabilistic

 |

 | Eastern Afric | a Ethiopia

 | 2003-2009

 | 76.4

 | Unclear/Not Unclear/Not
 | Urban based

 | munity-

 | t applicable (if not in the hospital) Not applicable (if not in the hospital)
 | Unclear/Not reported | Unclear/Not reported | Unclear/Not reported | Unclear/Not reported
 | Brain | | | rrent contact
 | Perissodactvla | Horse | Other animals |
| Ali, 2010 | | Non probabilistic

 |

 | Eastern Afric |

 | 2003-2009

 | 76.4

 | Unclear/Not Unclear/Not
 | Urban based

 | munity-

 | ot applicable (if not in the hospital) Not applicable (if not in the hospital)
 | Unclear/Not reported | Unclear/Not reported | • | Unclear/Not reported
 | Brain | Direct fluorescent antibody test | Antigen Cur | rrent contact
 | Cominaro | Hvenas | Other enimels |
| Ali, 2010 | | Non probabilistic

 |

 | |

 | 2003-2009

 | 76.4

 | Unclear/Not Unclear/Not
 | Urban based

 | munity-

 | ot applicable (if not in the hospital) Not applicable (if not in the hospital)
 | Unclear/Not reported | Unclear/Not reported | | Unclear/Not reported
 | Brain | | |
 | Primates | Hyenas
Monkevs | Other animals |
| Ali, 2010 | |

 |

 | |

 | 2003-2009

 | 76.4

 | Unclear/Not Unclear/Not
 | Urban based

 | munity-

 | ot applicable (if not in the hospital) Not applicable (if not in the hospital)
 | Unclear/Not reported | Unclear/Not reported | Unclear/Not reported | Unclear/Not reported
 | Brain | | |
 | Artiodactvla | | Other animals |
| Ali, 2010 | Cross sectional | · · · · · · · · · · · · · · · · · · ·

 |

 | Eastern Afric |

 | 2003-2009

 | 76.4

 | Unclear/Not Unclear/Not
 |

 | munity-

 | ot applicable (if not in the hospital) Not applicable (if not in the hospital)
 | Unclear/Not reported | Unclear/Not reported | Unclear/Not reported | Unclear/Not reported
 | Brain | Direct fluorescent antibody test | | rrent contact
 | Antiodactyla | RABV suspected case domestic | Dogo |
| | _ |

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 | 70,4

 | Unclear/Not Unclear/Not
 | Comr

 | munity-

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 | Drain | | Ŭ |
 | | | Dogo |
| Ali, 2010 | Cross sectional | · ·

 |

 | Eastern Afric |

 | 2003-2009

 | 76,4

 | Unclear/Not
 | Comr

 | munity-

 | t applicable (if not in the hospital) Not applicable (if not in the hospital)
 | Unclear/Not reported | Unclear/Not reported | Unclear/Not reported | Unclear/Not reported
 | Brain | Direct fluorescent antibody test | | rrent contact
 | | RABV suspected case stray dogs
RABV suspected case unspecified | Dogs |
| Aworh, 2011 | Cross sectional |

 |

 | West Africa |

 | 2006-2010

 | 56,7

 | reported Children L
Unclear/Not Unclear/Not L
 | Urban/rural based
Unclear/Not Comm

 | munity-

 | ot applicable (if not in the hospital) Unclear/Not reported
 | Unclear/Not reported | Unclear/Not reported | Unclear/Not reported | Unclear/Not reported
 | Unclear/Not reported | | | rrent contact
 | | dogs | Dogs |
| Baba, 2004 | Cross sectional |

 | Monocenter Prospectively

 | West Africa |

 | 2004

 | 81
Unclear/Not

 | reported reported re
Unclear/Not Unclear/Not U
 | reported based
Unclear/Not Comm

 | munity-

 | ot applicable (if not in the hospital) Not applicable (if not in the hospital)
 | Unclear/Not reported | Unclear/Not reported | Unclear/Not reported | Unclear/Not reported
 | Serum | Complement fixation test // Mouse inoculation test + Seller's staining | | st contact
 | Artiodactyla | Camels | Other animals |
| Badiali, 1966 | Cross sectional |

 |

 | Northern Afri |

 | Oct/1963-Oct/1965

 | reported
Unclear/Not

 | reported reported re
Unclear/Not Unclear/Not U
 | reported based
Unclear/Not Comm

 | munity-

 | et applicable (if not in the hospital) Not applicable (if not in the hospital)
 | Unclear/Not reported | Unclear/Not reported | Unclear/Not reported | Unclear/Not reported
 | Serum | Mouse inoculation test + Seller's staining | |
 | i chocodactyla | Donkeys | Other animals |
| Badiali, 1966 | Cross sectional |

 |

 | Northern Afri |

 | Oct/1963-Oct/1965

 | reported
Unclear/Not

 | reported reported re
Unclear/Not Unclear/Not U
 | reported based
Unclear/Not Comm

 | munity-

 | t applicable (if not in the hospital) Not applicable (if not in the hospital)
 | Unclear/Not reported | Unclear/Not reported | Unclear/Not reported | Unclear/Not reported
 | Serum | | |
 | Perissodactyla | | Other animals |
| Badiali, 1966 | Cross sectional |

 |

 | Northern Afri |

 | Oct/1963-Oct/1965

 | reported
Unclear/Not

 | reported reported re
Unclear/Not Unclear/Not U
 | reported based
Unclear/Not Comm

 | munity-

 | et applicable (if not in the hospital) Not applicable (if not in the hospital)
 | Unclear/Not reported | Unclear/Not reported | Unclear/Not reported | Unclear/Not reported
 | Serum | Neutralization test | Antigen Curr | rrent contact
 | Perissodactyla | | Other animals |
| Berentsen, 2013 | Cross sectional | Non probabilistic

 | Multicenter Prospectively

 | Eastern Afric | a Zambia

 | 2009-2011

 | reported
Unclear/Not

 | reported reported re
Unclear/Not Unclear/Not U
 | reported based
Unclear/Not Comm

 |

 | ot applicable (if not in the hospital) Not applicable (if not in the hospital)
 | Unclear/Not reported | Unclear/Not reported | Unclear/Not reported | Unclear/Not reported
 | Serum | Rapid fluorescent focus inhibition test | Antibodies Pas | st contact
 | Carnivora | Panthera leo | Other animals |
| Berentsen, 2013 | Cross sectional | Non probabilistic

 | Multicenter Prospectively

 | Eastern Afric | a Zambia

 | 2009-2011

 | reported

 | reported reported re
Unclear/Not Unclear/Not U
 | reported based

 | d No

 | ot applicable (if not in the hospital) Not applicable (if not in the hospital)
 | Unclear/Not reported | Unclear/Not reported | Unclear/Not reported | Unclear/Not reported
 | Serum | Rapid fluorescent focus inhibition test | Antibodies Pas | st contact
 | Carnivora | Hyenas | Other animals |
| Berentsen, 2013 | Cross sectional | Non probabilistic

 | Multicenter Prospectively

 | Eastern Afric | a Zambia

 | 2009-2011
Sep/1993-Dec/1993, Aug/1994-

 | reported

 | reported reported re
 | reported based

 |

 | et applicable (if not in the hospital) Not applicable (if not in the hospital)
 | Unclear/Not reported | Unclear/Not reported | Unclear/Not reported | Unclear/Not reported
 | Serum | Rapid fluorescent focus inhibition test | Antibodies Pas | st contact
 | | Domestic dogs | Dogs |
| Cleaveland, 1999 | Cross sectional | Probabilistic

 | Multicenter Prospectively

 | Eastern Afric | a Tanzania

 | Dec/1993-Dec/1993, Aug/1994-
Sep/1993-Dec/1993, Aug/1994-

 | reported

 | reported reported R
Unclear/Not Unclear/Not
 | Rural report

 |

 | t applicable (if not in the hospital) Not applicable (if not in the hospital)
 | Unclear/Not reported | Unclear/Not reported | Unclear/Not reported | Unclear/Not reported
 | Serum | Rapid fluorescent focus inhibition test | Antibodies Pas | st contact
 | | Domestic dogs | Dogs |
| Cleaveland, 1999 | Cross sectional | Probabilistic

 | Multicenter Prospectively

 | Eastern Afric | a Tanzania

 | Sep/1993-Dec/1993, Aug/1994-
Dec/1994

 |

 |
 | Rural report

 |

 | ot applicable (if not in the hospital) Not applicable (if not in the hospital)
 | Unclear/Not reported | Unclear/Not reported | Unclear/Not reported | Unclear/Not reported
 | Serum | Rapid fluorescent focus inhibition test | Antibodies Pas | st contact
 | | Domestic dogs | Dogs |
| | |

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 | | An animal was classified as
suspect if | |
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 | | reported as such on submission of the sample. In | |
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 | | the absence
of this information a case was | |
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 | | defined as suspect if the reported | |
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 | Unclear/Not

 | Unclear/Not
 | Comr

 | munity-

 |
 | | history included neurological
signs and/or unprovoked | |
 | | | |
 | | RABV suspected case unspecified | |
| Cleveland, 2002 | Cross sectional | Non probabilistic

 | Multicenter Retroprospective

 | y Eastern Afric | a Tanzania

 | 1990-1996, 1993-1998, 1998-199

 | 99 reported

 | reported Children R
Unclear/Not Unclear/Not U
 | Rural based

 | ed No

 | ot applicable (if not in the hospital) Unclear/Not reported
 | Unclear/Not reported | aggression. | Unclear/Not reported | Unclear/Not reported
 | Serum | Direct fluorescent antibody test | Antigen Curr | rrent contact
 | | dogs | Dogs |
| Coetzer, 2017 | Cross sectional | Probabilistic

 | Multicenter Retroprospective

 | y Eastern Afric | a Mozambique

 | Unclear/Not reported

 | reported

 | reported reported re
 | reported report

 |

 | t applicable (if not in the hospital) Not applicable (if not in the hospital)
 | Unclear/Not reported | Unclear/Not reported | Unclear/Not reported | Unclear/Not reported
 | Brain | Direct Rapid Immunohistochemistry Test | Antigen Curr | rrent contact
 | Artiodactyla | Bovines | Other animals |
| Coetzer, 2017 | Cross sectional | Probabilistic

 | Multicenter Retroprospective

 | y Eastern Afric | a Mozambique

 | Unclear/Not reported

 | reported

 | reported reported re
Unclear/Not Unclear/Not
 | reported report
Uncle

 | rted No

 | t applicable (if not in the hospital) Not applicable (if not in the hospital)
 | Unclear/Not reported | Unclear/Not reported | Unclear/Not reported | Unclear/Not reported
 | Brain | Direct fluorescent antibody test | Antigen Curr | rrent contact
 | Artiodactyla | Bovines | Other animals |
| Coetzer, 2019 | Cross sectional | Probabilistic

 | Nationally representative Prospectively

 | Eastern Afric | a Zimbabwe

 | 2010-2017

 | reported

 | reported reported L
 | Urban report
Uncle

 |

 | ot applicable (if not in the hospital) Not applicable (if not in the hospital)
 | Unclear/Not reported | Unclear/Not reported | Unclear/Not reported | Unclear/Not reported
 | Brain | Direct Rapid Immunohistochemistry Test | Antigen Curr | rrent contact
 | Artiodactyla | Bovines | Other animals |
| Coetzer, 2019 | Cross sectional | Probabilistic

 | Nationally representative Prospectively

 | Eastern Afric | a Zimbabwe

 | 2010-2017

 | reported

 | Unclear/Not Unclear/Not
reported reported L
 | Urban report
Uncle

 |

 | ot applicable (if not in the hospital) Not applicable (if not in the hospital)
 | Unclear/Not reported | Unclear/Not reported | Unclear/Not reported | Unclear/Not reported
 | Brain | Direct Rapid Immunohistochemistry Test | Antigen Curr | rrent contact
 | Carnivora | Feline | Other animals |
| Coetzer, 2019 | Cross sectional | Probabilistic

 | Nationally representative Prospectively

 | Eastern Afric | a Zimbabwe

 | 2010-2017

 | reported

 | Unclear/Not Unclear/Not
reported reported L
 | Urban report

 | rted No

 | t applicable (if not in the hospital) Not applicable (if not in the hospital)
 | Unclear/Not reported | Unclear/Not reported | Unclear/Not reported | Unclear/Not reported
 | Brain | Direct Rapid Immunohistochemistry Test | Antigen Curr | rrent contact
 | Carnivora | Jackals | Other animals |
| Coetzer, 2019 | Cross sectional | Probabilistic

 | Nationally representative Prospectively

 | Eastern Afric | a Zimbabwe

 | 2010-2017

 | reported

 | Unclear/Not Unclear/Not reported L
 | Uncle
Urban report

 | rted No

 | ot applicable (if not in the hospital) Not applicable (if not in the hospital)
 | Unclear/Not reported | Unclear/Not reported | Unclear/Not reported | Unclear/Not reported
 | Brain | Direct Rapid Immunohistochemistry Test | Antigen Curi | rrent contact
 | | Dogs unspecified | Dogs |
| Creel, 1997 | Cross sectional | Non probabilistic

 | Multicenter Prospectively

 | Eastern Afric | a Tanzania

 | Jun/1991-Oct/1996

 | 16

 | reported reported re
 | Unclear/Not Uncle
reported report

 |

 | ot applicable (if not in the hospital) Not applicable (if not in the hospital)
 | Unclear/Not reported | Unclear/Not reported | Unclear/Not reported | Unclear/Not reported
 | Serum | Rapid fluorescent focus inhibition test | Antibodies Pas | st contact
 | | Wild dogs | Dogs |
| Daniel, 2014 | Community
outbreak | Non probabilistic

 | Multicenter Prospectively

 | West Africa | Nigeria

 | Unclear/Not reported

 | Unclear/Not
reported

 | Unclear/Not Unclear/Not reported L
 | Comr
Urban/rural based

 | munity-
ed No

 | t applicable (if not in the hospital) Not applicable (if not in the hospital)
 | Unclear/Not reported | Unclear/Not reported | Unclear/Not reported | Unclear/Not reported
 | Serum | Indirect ELISA | Antibodies Pas | st contact
 | | Domestic dogs | Dogs |
| Daniel, 2014 | Community
outbreak | Non probabilistic

 | Multicenter Prospectively

 | West Africa | Nigeria

 | Unclear/Not reported

 | Unclear/Not
reported

 | Unclear/Not Unclear/Not
reported reported L
 | Comr
Urban/rural based

 | munity-
ed No

 | ot applicable (if not in the hospital) Not applicable (if not in the hospital)
 | Unclear/Not reported | Unclear/Not reported | Unclear/Not reported | Unclear/Not reported
 | Brain | Direct fluorescent antibody test | Antigen Curr | rrent contact
 | | Stray dogs | Dogs |
| Daniel, 2014 | Community
outbreak | Non probabilistic

 |

 | West Africa | Nigeria

 | Unclear/Not reported

 | Unclear/Not
reported

 | Unclear/Not Unclear/Not
reported reported U
 | Comr
Urban/rural based

 | munity-

 | ot applicable (if not in the hospital) Not applicable (if not in the hospital)
 | Unclear/Not reported | Unclear/Not reported | Unclear/Not reported | Unclear/Not reported
 | Brain | Direct fluorescent antibody test | Antigen Curi | rrent contact
 | | Wild dogs | Dogs |
| Dao, 2006 | Cross sectional |

 |

 | West Africa | Mali

 | Jan/2000-Dec/2003

 | Unclear/Not
reported

 | Unclear/Not
reported All ages U
 | Comr
Urban based

 | munity-

 | ot applicable (if not in the hospital) Unclear/Not reported
 | Unclear/Not reported | Unclear/Not reported | Unclear/Not reported | Unclear/Not reported
 | Brain | Direct fluorescent antibody test | Antigen Curi | rrent contact
 | | RABV suspected case unspecified dogs | Dogs |
| De Benedictis, 2010 | _ | •

 |

 | West Africa |

 | 2001-2007

 | Unclear/Not
reported

 | Unclear/Not Unclear/Not reported L
 | Uncle
Urban/rural report

 | ear/Not

 | ot applicable (if not in the hospital) Not applicable (if not in the hospital)
 | Unclear/Not reported | Unclear/Not reported | Unclear/Not reported | Unclear/Not reported
 | Brain | | |
 | Multiple animals | Multiple animals | Other animals |
| Deressa, 2010 | Cross sectional |

 |

 | Eastern Afric |

 | 2001-2009

 |

 | Unclear/Not
reported All ages L
 |

 | munity-

 |
 | Unclear/Not reported | Unclear/Not reported | Unclear/Not reported | Unclear/Not reported
 | Brain | | | rrent contact
 | · | | Dogs |
| | CIUSS Sectional | Non probabilistic

 | Nullicenter Reliospectively

 | Eastern And |

 | 2001-2009

 | 39,04

 | reputeu Allages IC
 |

 | munity-

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 | | · | · | ·
 | Drain | | |
 | | Dogs unspecified | |
| Deressa, 2010 | Cross sectional | •

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 | 2004 2000

 | 50.04

 | Unclear/Not
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 | Unclear/Not reported | Unclear/Not reported | Unclear/Not reported | Unclear/Not reported
 | Brain | Direct fluorescent antibody test | Antigen Curi | rrent contact
 | Carnivora | | Other animals |
| Deressa, 2010 | | Non probabilistic

 |

 | Eastern Afric |

 | 2001-2009

 | 59,84

 | l I I.
 | Urban/rural based

 | munity-

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 | l la sla su/blat non ente d | Lin els en/Niet nen ente el | llus ala an/Niat nan anta al | I la sla su/Nist usu suta d
 | Ducto | | |
 | | liviuitiple animais | |
| | Cross sectional | Non probabilistic

 | Multicenter Retrospectively

 | Eastern Afric | a Ethiopia

 | 2001-2009

 | 59,84
59,84

 | reported All ages U
Unclear/Not
reported All ages U
 | Urban/rural based
Comm
Urban/rural based

 | munity-
ed No
munity-

 | t applicable (if not in the hospital) Ethiopan health and nutrition research institute
 | Unclear/Not reported | Unclear/Not reported | Unclear/Not reported | Unclear/Not reported
 | Brain | | Antigen Curr | rrent contact
 | Multiple animals | | Other animals |
| Dzikwi, 2010 | Cross sectional
Cross sectional | Non probabilistic
Non probabilistic
Non probabilistic

 | Multicenter Retrospectively
Multicenter Prospectively

 | Eastern Afric
West Africa | a Ethiopia
Nigeria

 | 2001-2009
May/2006-Oct/2006

 | 59,84
59,84
47

 | reported All ages U
Unclear/Not reported All ages U
 | Urban/rural based
Comm
Urban/rural based
Unclear/Not Comm
reported based

 | munity-
ed No
munity-
ed No
munity-

 | et applicable (if not in the hospital) Ethiopan health and nutrition research institute
to applicable (if not in the hospital) Not applicable (if not in the hospital)
 | Unclear/Not reported | Unclear/Not reported | Unclear/Not reported | Unclear/Not reported
 | Brain
Serum | Rapid fluorescent focus inhibition test
Mouse inoculation test + Direct fluorescent | Antigen Curr
Antibodies Pas | rrent contact
st contact
 | Chiroptera | Bats | Other animals |
| Dzikwi, 2010 | Cross sectional
Cross sectional
Cross sectional | Non probabilistic Non probabilistic Non probabilistic Non probabilistic Non probabilistic

 | Multicenter Retrospectively Multicenter Prospectively Multicenter Prospectively

 | Eastern Afric
West Africa
West Africa | a Ethiopia
Nigeria
Nigeria

 | 2001-2009
May/2006-Oct/2006
May/2006-Oct/2006

 | 59,84
59,84
47
47

 | reported All ages U
Unclear/Not reported All ages U
Unclear/Not Unclear/Not U
reported reported re
 | Urban/rural based
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Urban/rural based
Unclear/Not Comm
reported based
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reported based

 | munity-
ed No
munity-
ed No
munity-
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to identify rabies-suspect dogs
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to identify rabies-suspect dogs
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Supplementary Table 7. Individual characteristics of included studies

| Mebatsion, 1992 | Cross sectional | Non probabilistic | Monocenter | Prospectively
 | Eastern Africa Ethiopia | Unclear/Not reported | reported

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 | reported | Community-
basedNot applicable (if not in the hospital)
 | Not applicable (if not in the hospital) | Unclear/Not reported | Unclear/Not reported | Unclear/Not reported
 | Unclear/Not reported | Brain | Rapid fluorescent focus inhibition test | Antibodies | Past contact Carnivora | Jackals | Other animals |
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Mebatsion, 1992	Cross sectional	Non probabilistic	Monocenter	Prospectively	
 | Eastern Africa Ethiopia | Unclear/Not reported | reported

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reported | Community-basedNot applicable (if not in the hospital)
 | Not applicable (if not in the hospital) | Unclear/Not reported | Unclear/Not reported | Unclear/Not reported
 | Unclear/Not reported | Brain | Indirect ELISA | Antibodies | Past contact Carnivora | Jackals | Other animals |
| Millán, 2013 | Cross sectional | Non probabilistic | Multicenter | Prospectively
 | Eastern Africa Uganda | 2011 | Unclear/Not
reported

 | Unclear/Not
reported All ages

 | Rural | Community-
based Not applicable (if not in the hospital)
 | Not applicable (if not in the hospital) | Unclear/Not reported | Unclear/Not reported | Unclear/Not reported
 | Unclear/Not reported | Serum | Indirect ELISA | Antibodies | Past contact | Domestic dogs | Dogs |
| Mshelbwala, 2013 | | Probabilistic | Monocenter | Prospectively
 | West Africa Nigeria | Unclear/Not reported | 36

 | Unclear/Not Unclear/Not

 | t Unclear/Not | Community-
based Not applicable (if not in the hospital)
 | | Unclear/Not reported | Unclear/Not reported | Unclear/Not reported
 | Unclear/Not reported | Saliva | Rapid immune chromatographic test | Antigen | Current contact | Stray dogs | Dogs |
| Mtui-Malamsha, | Community | Probabilistic | Multicenter | Prospectively
 | | · | Unclear/Not

 | Unclear/Not

 | Unclear/Not | Community-
 | | · | · | | | | |
 | | Sorum | Indirect ELISA | Antibodioo | | | Dogo |
| Muhammad-Bashir | , | | |
 | | Apr/2018-Sep/2018 | Unclear/Not

 | Unclear/Not Unclear/Not

 | t Unclear/Not | Community-
 | Not applicable (if not in the hospital) | Unclear/Not reported | Unclear/Not reported | Unclear/Not reported
 | Unclear/Not reported | Serum | | Antibodies | | Dogs unspecified
RABV suspected case unspecified | |
| 2016
Muhammad-Bashir | Cross sectional | Non probabilistic | | Retrospectively
 | West Africa Nigeria | 2004 – 2009 | Unclear/Not

 | Unclear/Not Unclear/Not

 | t Unclear/Not | Community-
 | Not applicable (if not in the hospital) | Unclear/Not reported | Unclear/Not reported | Unclear/Not reported
 | Unclear/Not reported | Brain | Direct fluorescent antibody test | Antigen | Current contact | dogs | Dogs |
| 2016 | | Non probabilistic | Multicenter | Retrospectively
 | West Africa Nigeria | 2004 – 2009 | reported
Unclear/Not

 | reported reported
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 | reported
t Unclear/Not | based Not applicable (if not in the hospital) Unclear/Not
 | Not applicable (if not in the hospital) | Unclear/Not reported | Unclear/Not reported | Unclear/Not reported
 | Unclear/Not reported | Brain | Direct fluorescent antibody test | Antigen | Current contact Carnivora | Cats | Other animals |
| Munang'andu, 201 ⁻ | Cross sectional | Non probabilistic | Multicenter | Retrospectively
 | Eastern Africa Zambia | 1985–2004 | reported
Unclear/Not

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Unclear/Not Unclear/Not

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t Unclear/Not | reported Not applicable (if not in the hospital) Unclear/Not
 | Unclear/Not reported | Unclear/Not reported | Unclear/Not reported | Unclear/Not reported
 | Unclear/Not reported | Brain | Direct fluorescent antibody test | Antigen | Current contact | Domestic dogs | Dogs |
| Munang'andu, 2017 | Cross sectional | Non probabilistic | Multicenter | Retrospectively
 | Eastern Africa Zambia | 1985–2004 | reported
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t Unclear/Not | reported Unclear/Not reported
 | Unclear/Not reported | Unclear/Not reported | Unclear/Not reported | Unclear/Not reported
 | Unclear/Not reported | Brain | Direct fluorescent antibody test | Antigen | Current contact | RABV suspected humans cases | Humans |
| Munang'andu, 201 | Cross sectional | Non probabilistic | Multicenter | Retrospectively
 | Eastern Africa Zambia | 1985–2004 | reported

 | reported reported
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 | reported | reported Not applicable (if not in the hospital)
 | Unclear/Not reported | Unclear/Not reported | Unclear/Not reported | Unclear/Not reported
 | Unclear/Not reported | Brain | Direct fluorescent antibody test | Antigen | Current contact Artiodactyla | Cattles | Other animals |
| Munang'andu, 201 | Cross sectional | Non probabilistic | Multicenter | Retrospectively
 | Eastern Africa Zambia | 1985–2004 | reported

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 | reported | reported Not applicable (if not in the hospital)
 | Unclear/Not reported | Unclear/Not reported | Unclear/Not reported | Unclear/Not reported
 | Unclear/Not reported | Brain | Direct fluorescent antibody test | Antigen | Current contact Carnivora | Cats | Other animals |
| Munang'andu, 201 | Cross sectional | Non probabilistic | Multicenter | Retrospectively
 | Eastern Africa Zambia | 1985–2004 | reported

 | Unclear/Not Unclear/Not reported

 | reported | Unclear/Not
reported Not applicable (if not in the hospital)
 | Unclear/Not reported | Unclear/Not reported | Unclear/Not reported | Unclear/Not reported
 | Unclear/Not reported | Brain | Direct fluorescent antibody test | Antigen | Current contact Artiodactyla | Sheeps | Other animals |
| Munang'andu, 201 ⁻ | Cross sectional | Non probabilistic | Multicenter | Retrospectively
 | Eastern Africa Zambia | 1985–2004 | Unclear/Not
reported

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 | t Unclear/Not
reported | Unclear/Not
reported Not applicable (if not in the hospital)
 | Unclear/Not reported | Unclear/Not reported | Unclear/Not reported | Unclear/Not reported
 | Unclear/Not reported | Brain | Direct fluorescent antibody test | Antigen | Current contact Artiodactyla | Goats | Other animals |
| | Cross sectional | | Multicenter | Retrospectively
 | Eastern Africa Zambia | 1985–2004 | Unclear/Not
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 | Unclear/Not reported | Brain | Direct fluorescent antibody test | Antigen | Current contact Multiple animals | Multiple animals | Other animals |
| | Hospital outbreak | | | Prospectively
 | Central Africa
Central Africa | Aug/2006-Dec/2008 | Unclear/Not

 | Unclear/Not Unclear/Not

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Urban | Community-
based Not applicable (if not in the hospital)
 | | Unclear/Not reported | Unclear/Not reported | Unclear/Not reported
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 | | | Direct ELISA | Antigen | | | Dogo |
| Nimzing, 2003 | | | Unclear/ Not reported |
 | West Africa Nigeria | Unclear/Not reported | Unclear/Not

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 | t | based Not applicable (if not in the hospital) Community-
 | | Unclear/Not reported | Unclear/Not reported | Unclear/Not reported
 | Unclear/Not reported | | | Antigen | Current contact | RABV suspected dogs cases | Dogs |
| Odeh, 2014 | Cross sectional | Non probabilistic | Monocenter | Prospectively
 | West Africa Nigeria | Apr/2012-Sep/2012 | reported
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 | Urban
t Unclear/Not | based Not applicable (if not in the hospital) Community-
 | Not applicable (if not in the hospital) | Unclear/Not reported | Unclear/Not reported | Unclear/Not reported
 | Unclear/Not reported | | Direct fluorescent antibody test | Antigen | Current contact | Dogs unspecified | Dogs |
| Oelofsen, 1993 | Cross sectional | Non probabilistic | Monocenter | Prospectively
 | Southern Africa South Africa | Unclear/Not reported | reported
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 | reported reported
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 | reported
t Unclear/Not | based Not applicable (if not in the hospital)
Community-
 | Not applicable (if not in the hospital) | Unclear/Not reported | Unclear/Not reported | Unclear/Not reported
 | Unclear/Not reported | Serum | Indirect ELISA | Antibodies | Past contact Chiroptera | Bats | Other animals |
| Oelofsen, 1993 | Cross sectional | Non probabilistic | Monocenter | Prospectively
 | Southern Africa South Africa | Unclear/Not reported | reported

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Unclear/Not | based Not applicable (if not in the hospital)
 | Not applicable (if not in the hospital) | Unclear/Not reported | Unclear/Not reported | Unclear/Not reported
 | Unclear/Not reported | Brain | Direct ELISA | Antigen | Current contact Chiroptera | Bats | Other animals |
| Ogunkoya, 1990 | Cross sectional | Non probabilistic | Monocenter | Prospectively
 | West Africa Nigeria | Unclear/Not reported | 38

 | reported All ages

 | reported
Unclear/Not | based Not applicable (if not in the hospital)
 | Not applicable (if not in the hospital) | Unclear/Not reported | Unclear/Not reported | Unclear/Not reported
 | Unclear/Not reported | Serum | Rapid fluorescent focus inhibition test | Antibodies | Past contact | Stray dogs | Dogs |
| Ogunkoya, 1990 | Cross sectional | Non probabilistic | Monocenter | Prospectively
 | West Africa Nigeria | Unclear/Not reported | 38

 | Unclear/Not
reported All ages

 | reported | based Not applicable (if not in the hospital)
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 | Unclear/Not reported | Serum | Rapid fluorescent focus inhibition test | Antibodies | Past contact | Domestic dogs | Dogs |
| Ogunkoya, 1990 | Cross sectional | Non probabilistic | Monocenter | Prospectively
 | West Africa Nigeria | Unclear/Not reported | 38

 | Unclear/Not
reported All ages

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reported | ,
 | Not applicable (if not in the hospital) | Unclear/Not reported | Unclear/Not reported | Unclear/Not reported
 | Unclear/Not reported | Serum | Rapid fluorescent focus inhibition test | Antibodies | Past contact | Apparently healthy subjects | Humans |
| Okoh, 1986 | | | Unclear/ Not reported | Prospectively
 | West Africa Nigeria | Jan/1982-Dec/1983 | Unclear/Not
reported

 | Unclear/Not Unclear/Not reported

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Urban/rural | Unclear/Not
reported Not applicable (if not in the hospital)
 | | Unclear/Not reported | Unclear/Not reported | Unclear/Not reported
 | Unclear/Not reported | Brain | Seller's staining test | Negri bodies | Current contact Rodentia | Rats | Other animals |
| Okoh, 2018 | | Non probabilistic | | Unclear/ Not
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 | | Unclear/Not reported | Unclear/Not reported | Unclear/Not reported
 | Unclear/Not reported | | Direct fluorescent antibody test | | Current contact | Dogs unspecified | Dogs |
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 | | Droin | | | | Dogs unspecified | Dere |
| | | | | Prospectively
 | West Africa Liberia | 2016-2017 | reported

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 | | reported Not applicable (if not in the hospital) Community-
 | | Unclear/Not reported | Unclear/Not reported | Unclear/Not reported
 | Unclear/Not reported | | Classical RT-PCR | RNA | Current contact | Dogs unspecified | שטע <u>s</u> |
| Olugas, 2011 | Cross sectional | | Multicenter | Prospectively
 | West Africa Nigeria | Jun/2008-Dec/2008 | 55.79

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 | Urban/rural | based Not applicable (if not in the hospital) Community-
 | | Unclear/Not reported | Unclear/Not reported | Unclear/Not reported
 | Unclear/Not reported | | Indirect ELISA | Antibodies | Past contact | Dogs unspecified | Dogs |
| Olugas, 2011 | Cross sectional | Probabilistic | Multicenter | Prospectively
 | West Africa Nigeria | Jun/2008-Dec/2008 |

 | reported reported

 | Urban/rural | based Not applicable (if not in the hospital)
 | Not applicable (if not in the hospital) | Unclear/Not reported | Unclear/Not reported | Unclear/Not reported
 | Unclear/Not reported | Serum | Indirect ELISA | Antibodies | Past contact | Stray dogs | Dogs |
| | Cross soctions! | Probabiliatio | Multicenter | Prospectively
 | | Sep/2008-Fev/2009 | 71 40

 | Unclear/Not

 | l Irban | Hospital/com
munity based Unclear/Not reported
 | Inclear/Not reported | I Inclear/Not reported | | Inclear/Not reported
 | Inclear/Not reported | Serum | Indirect ELISA | Antibodies | Past contact | Apparently boolthy or biosts | Humana |
| Olugasa, 2010 | | | | Prospectively
 | West Africa Nigeria | | 11.42

 | reported All ages
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 | | Community-
 | Unclear/Not reported | Unclear/Not reported | Unclear/Not reported | Unclear/Not reported
 | Unclear/Not reported | | | | Past contact | Apparently healthy subjects | Humans |
| Oluwayelu, 2014 | | Non probabilistic | | Prospectively
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 | West Africa Nigeria | Unclear/Not reported | 24
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 | Urban/rural | based Not applicable (if not in the hospital) Community-
 | | Unclear/Not reported | Unclear/Not reported | Unclear/Not reported
 | Unclear/Not reported | | Indirect ELISA | Antibodies | Past contact | Dogs unspecified | Dogs |
| Oluwayelu, 2015 | Cross sectional | Non probabilistic | Multicenter | reported
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 | West Africa Nigeria | Unclear/Not reported | reported

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| Oluwayelu, 2015 | Cross sectional | Non probabilistic | Multicenter | reported
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 | Urban/rural | based Not applicable (if not in the hospital)
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 | Unclear/Not reported | Serum | Indirect ELISA | Antibodies | Past contact | Wild dogs | Dogs |
| Oluwayelu, 2015 | Cross sectional | Non probabilistic | Multicenter | Unclear/ Not
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 | West Africa Nigeria | Unclear/Not reported | reported

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 | Urban/rural | based Not applicable (if not in the hospital)
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 | Unclear/Not reported | Serum | Indirect ELISA | Antibodies | Past contact | Stray dogs | Dogs |
| Pfukenyi, 2007 | Cross sectional | Non probabilistic | Monocenter | Retrospectively
 | Eastern Africa Zimbabwe | Jan/1992-Dec/2003 |

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 | Unclear/Not reported | Unclear/Not reported | Unclear/Not reported | Unclear/Not reported
 | Unclear/Not reported | Brain | Direct fluorescent antibody test | Antigen | Current contact | RABV suspected humans cases | Humans |
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 | | Rabies is clinically diagnosed
when person who is suspected | d | | | | |
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 | | to have had a contact with a | | | | | |
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 | | rabid animal develops one or more of the following: | bite was defined as suspected | | | | |
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 | |
 | | headache, neck pain, nausea
fever, fear of water, anxiety, | , if the dog bit a human without
any provocation, if the dog wa | | | | |
 | | | | | | | |
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 | | Unclear/Not
 | | agitation, abnormal tingling sensations or pain at the | wild or not vaccinated and if it died or escaped after the bite |
 | | | | | | | |
| Punguyire, 2017 | | Non probabilistic | Monocenter | Retrospectively
 | West Africa Ghana | Jan/2011-Dec/2016 | 50.3

 | 30 All ages

 | Urban/rural | reported Not applicable (if not in the hospital)
 | Unclear/Not reported | wound site. | [13]. | Unclear/Not reported
 | Unclear/Not reported | Brain | Direct fluorescent antibody test | Antigen | Current contact | Stray dogs | Dogs |
| Randall, 2004 | outbreak | Non probabilistic | Monocenter | Prospectively
 | Eastern Africa Ethiopia | 2003-2004 | reported

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 | Rural |
 | Not applicable (if not in the hospital) | Unclear/Not reported | Unclear/Not reported | Unclear/Not reported
 | Unclear/Not reported | Brain | Classical RT-PCR | RNA | Current contact Carnivora | Wolves | Other animals |
| Reynes, 2011 | Cross sectional | Non probabilistic | Multicenter | Prospectively
 | Eastern Africa Madagascar | 2005-2010 | Unclear/Not
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 | Unclear/Not reported | Brain | Direct fluorescent antibody test | Antigen | Current contact | Domestic dogs | Dogs |
| Reynes, 2011 | _ | Non probabilistic | | Prospectively
 | Eastern Africa Madagascar | 2005-2010 | Unclear/Not

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 | Not applicable (if not in the hospital) | Unclear/Not reported | Unclear/Not reported | Unclear/Not reported
 | | Skin biopsy, Brain, | Direct fluorescent antibody test | Antigen | Current contact | | Humans |
| | CIUSS SECTIONAL | | Mulliceriler | Flospectively
 | Lastern Anica Iviauayascai | 2003-2010 | Tepotted

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| Reynes, 2011 | Cross sectional | Non probabilistic | Multicenter | Prospectively
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 | Unclear/Not reported | Brain | Direct fluorescent antibody test | Antigen | Current contact Primates | Lemur | Other animals |
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Classical RT-PCR | Antigen
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RNA | Current contactCarnivoraCurrent contactArtiodactylaCurrent contactChiroptera | Lemur
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Mouse inoculation test | Antigen
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| Reynes, 2011
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