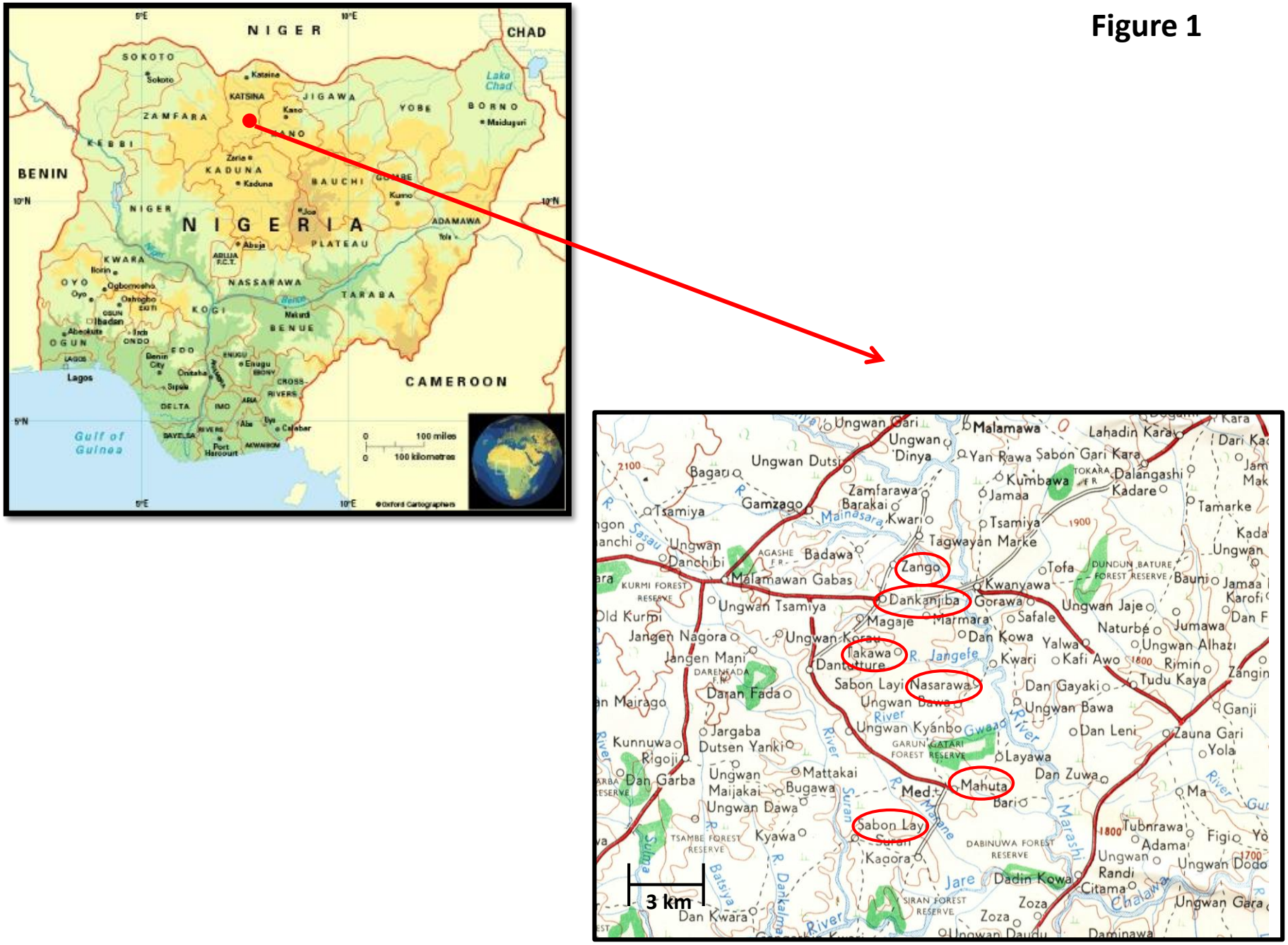
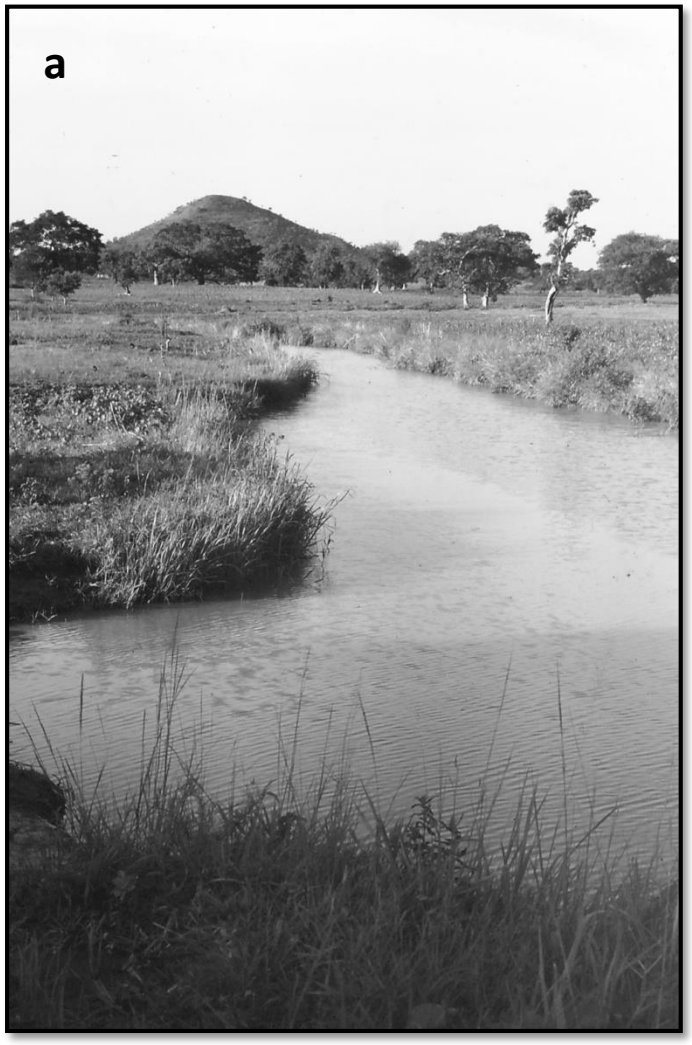
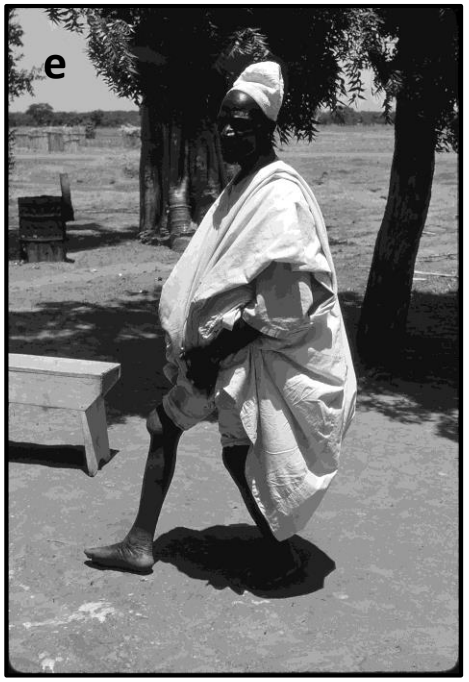
Figure 1



NIGER
CHAD
BENIN
CAMEROON
NIGERIA
SOKOTO
ZAMFARA
KATSINA
JIGAWA
YOBE
BORNO
KEBBI
KADUNA
BAUCHI
GOMBE
ADAMAWA
NIGER
PLATEAU
KWARA
OYO
NASSARAWA
TARABA
KOGI
BENUE
OGUN
EDO
DELTA
IMO
ABIA
CROSS-RIVERS
Lake Chad
Gulf of Guinea
Lagos
100 miles
100 kilometres
©Oxford Cartographers
Malamawa
Ungwan Dutsi
Gamzago
Zamfarawa
Barakai
Kwari
Tagwayan Marke
Zango
Dankanjiba
Kwanyawa
Gorawa
Malamawan Gabas
Ungwan Tsamiya
Magaje
Marmara
Safale
Dan Kowa
Takawa
Dantatture
Sabon Layi
Nasarawa
Ungwan Bawa
Ungwan Kyanbo
Mahuta
Sabon Lay
Kagora
Dadin Kowa
Zoza
Ungwan Daudu
Dan Kwara
Ungwan Danchibi
Jangen Nagora
Jangen Mani
Daran Fada
Jargaba
Dutsen Yanki
Kunnuwa
Rigoji
Dan Garba
Ungwan Maijakai
Ungwan Dawa
Mattakai
Bugawa
Kyawa
Med.
Bari
Layawa
Dan Zuwa
Dan Leni
Ungwan Jaje
Naturbe
Ungwan Alhazi
Rimin
Tudu Kaya
Zauna Gari
Yola
Ganji
Tubnrawa
Adama
Ungwan Randi
Citama
Ungwan Dodo
Ungwan Gara
Daminawa
Tamarke
Dalangashi
Kadare
Kumbawa
Jamaa
Tsamiya
Tofa
Bauni
Jumawa
Karofi
Ungwan Gari
Ungwan Dinya
Yan Rawa
Sabon Gari Kara
Lahadin Kara
Bagari
Tsamiya
Badawa
Old Kurmi
Jangen Nagora
Jangen Mani
Daran Fada
Kunnuwa
Rigoji
Dan Garba
Kyawa
Dan Kwara
Ungwan Dawa
Ungwan Maijakai
Mainasara
Sasau
Batsiya
Dankalma
Suran
Jare
Marashi
Chalawa
Gwaza
River
Jangefe
Kurmi Forest Reserve
Darenfada F.R.
Garun Gatari Forest Reserve
Dabinuwa Forest Reserve
Siran Forest Reserve
Dundun Bature Forest Reserve
Tokara F.R.
Agashe F.R.
Tsambe Forest Reserve
3 km

Figure 2





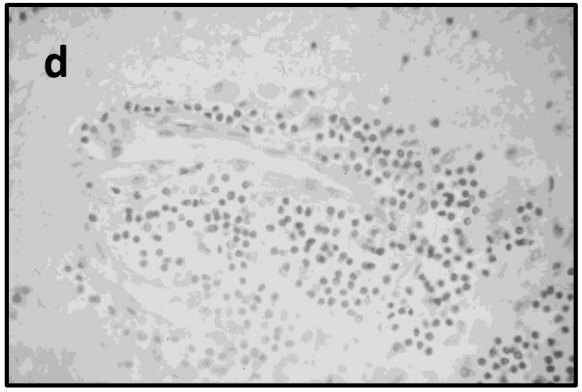
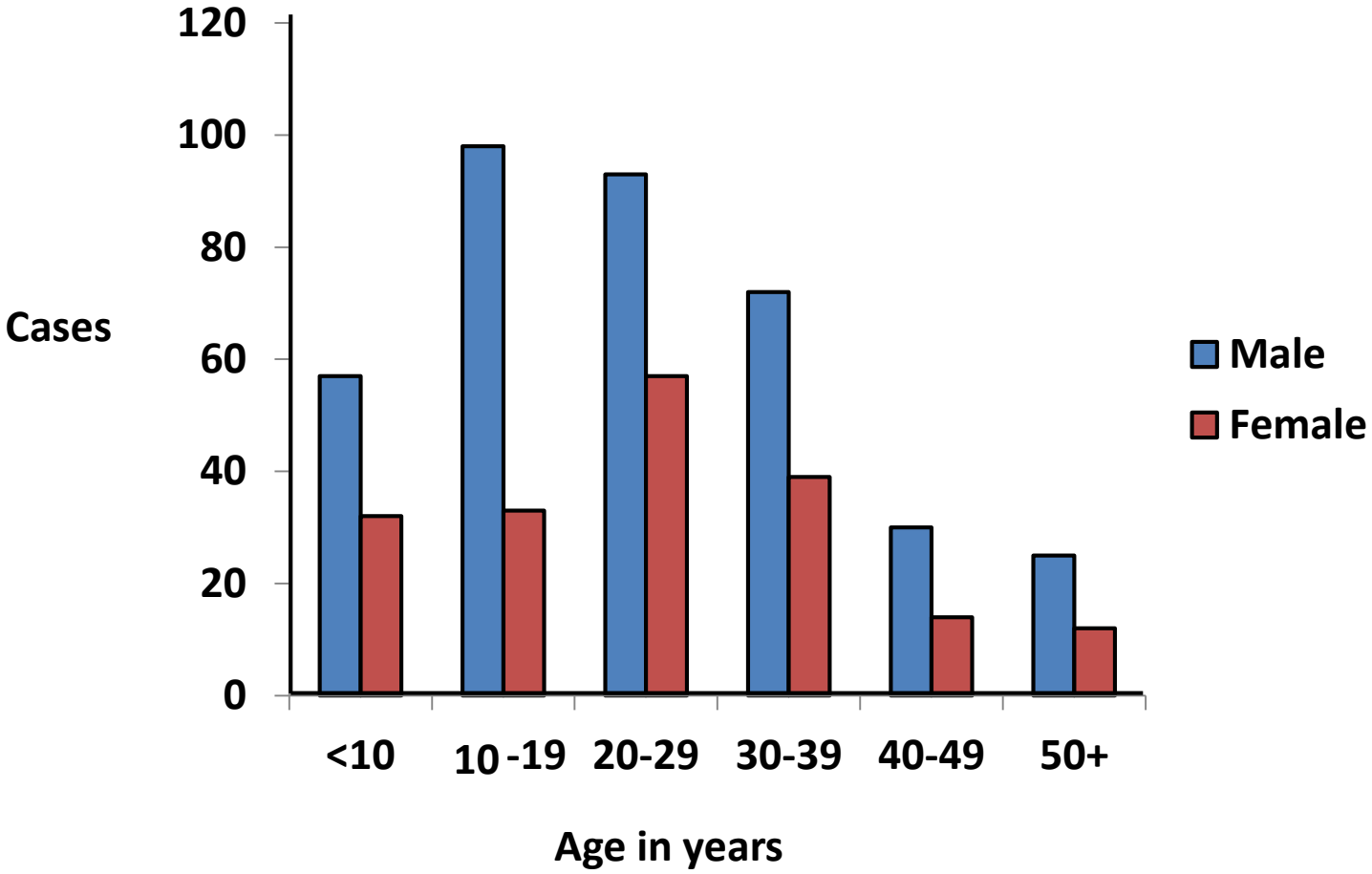


Figure 3


120
100
80
60
40
20
0
Cases
<10
10-19
20-29
30-39
40-49
50+
Age in years
Male
Female