

# Package: liberia (via r-universe)

September 12, 2024

**Type** Package

**Title** Datasets for Use in Designing Surveys in Liberia

**Version** 0.0.0.9000

**Description** Designing surveys require relevant datasets to be used as basis for sample size calculations, sampling design, survey planning/logistics and survey implementation. These include datasets on population, lists of sampling clusters, map datasets for spatial sampling, and previous survey datasets that can be used for estimating indicator variance and design effects. This package contains relevant datasets for use in designing surveys in Liberia.

**License** CC0

**Depends** R (>= 2.10)

**Imports** sf

**Encoding** UTF-8

**LazyData** true

**RoxygenNote** 7.1.2

**URL** <https://github.com/validmeasures/liberia>

**BugReports** <https://github.com/validmeasures/liberia/issues>

**Repository** <https://spatialworks.r-universe.dev>

**RemoteUrl** <https://github.com/spatialworks/liberia>

**RemoteRef** HEAD

**RemoteSha** 53c571d06c9842b5f7b4aabe9365bacf1b195920

## Contents

clans . . . . .	2
counties . . . . .	3
districts . . . . .	3
enumerationArea . . . . .	4

grandBassaEA . . . . .	5
greaterMonroviaEA . . . . .	6
liberia . . . . .	7
locality . . . . .	7
monrovia . . . . .	8
settlements . . . . .	9
<b>Index</b>	<b>10</b>

---

clans

*clans*

---

## Description

Administrative Level 2 (clans) map of Liberia

## Usage

clans

## Format

A SpatialPolygonsDataFrame with 305 features:

ID Object identifier

LBL Clan identifier

FIP Two character country code for Liberia

MMT\_ID Three character country code for Liberia

SHORT\_\_FRM Short form name for Liberia

LONG\_FRM Long form name for Liberia

ADM0 Administrative level 0 of Liberia (Country name)

ADM1 Administrative level 1 of Liberia (County name)

ADM2 Administrative level 2 of Liberia (District name)

ADM3 Administrative level 3 of Liberia (Clan name)

## Source

Map Maker Ltd. (2007). Clans, Liberia, 2007 Map Maker, Ltd. Available at: <http://pur1.stanford.edu/vm535pw6013>.

---

counties	<i>counties</i>
----------	-----------------

---

**Description**

Administrative Level 1 (counties) map of Liberia

**Usage**

counties

**Format**

A SpatialPolygonsDataFrame with 15 features:

OBJECTID Object identifier

CNTRY\_CODE Three-character ISO country code. For Liberia it is LBR.

WHO\_CODE Three-character WHO country code. For Liberia it is LIB.

Hrparent HR Parent

Shape\_Leng Length of shape

Shape\_Area Area of shape

admin1name Name of county

admin1Pcod County postal code

admin0name Name of country

admin0Pcod Country postal code. LR for Liberia.

Pcod1\_iso3 County postal code using ISO3 code

**Source**

<https://data.humdata.org/dataset/liberia-admin-level-2-boundaries>

---

districts	<i>districts</i>
-----------	------------------

---

**Description**

Administrative Level 2 (districts) map of Liberia

**Usage**

districts

**Format**

A SpatialPolygonsDataFrame with 136 features:

OBJECTID Object identifier  
 CNTRY\_NAME Country name  
 CNTRY\_CODE Three-character ISO country code. For Liberia it is LBR.  
 WHO\_CODE Three-character WHO country code. For Liberia it is LIB.  
 Shape\_Leng Length of shape  
 Shape\_Area Area of shape  
 admin1name Name of county  
 admin1Pcod County postal code  
 admin2name Name of district  
 admin2Pcod District postal code  
 Pcod1\_iso3 County postal code using ISO3 code  
 Pcod2\_iso3 District postal code using ISO3 code

**Source**

<https://data.humdata.org/dataset/liberia-admin-level-2-boundaries>

---

enumerationArea	<i>enumerationArea</i>
-----------------	------------------------

---

**Description**

Dataset of enumeration areas with population size for Grand Bassa and Rural Montserrado

**Usage**

enumerationArea

**Format**

A data.frame with 8 columns and 751 rows

County Name of county  
 District Name of district  
 Clan Name of clan  
 EACODE Enumeration area code  
 MALE Number of male population  
 FEMALE Number of female population  
 HH Number of households  
 TOTAL Total population

**Source**

Liberia Institute of Statistics and Geo-Information Services

---

grandBassaEA	<i>grandBassaEA</i>
--------------	---------------------

---

**Description**

Enumeration area map of Grand Bassa county

**Usage**

grandBassaEA

**Format**

A SpatialPolygonsDataFrame with 468 features:

- CCNAME County name
- DNAME District name
- CLNAME Clan name
- FEACODE Full EA code
- SAREA Area map label
- EFEACODE Extended full EA code
- CCODE County code
- DCODE District code
- CLCODE Clan code
- EACODE Enumeration area code
- TOTAL Total population
- MALE Male population
- FEMALE Female population
- HH Total households
- CCODE1 Extended county code
- DCODE1 Extended district code
- CLCODE1 Extended clan code
- EACODE1 Extended enumeration area code

**Source**

Liberia Institute of Statistics and Geo-Information Services

---

greaterMonroviaEA      *greaterMonroviaEA*

---

### **Description**

Enumeration area map of Greater Monrovia District

### **Usage**

greaterMonroviaEA

### **Format**

A SpatialPolygonsDataFrame with 1967 features:

CCNAME County name  
 DNAME District name  
 CLNAME Clan name  
 FEACODE Full EA code  
 SAREA Area map label  
 EFEACODE Extended full EA code  
 CCODE County code  
 DCODE District code  
 CLCODE Clan code  
 EACODE Enumeration area code  
 TOTAL Total population  
 MALE Male population  
 FEMALE Female population  
 HH Total households  
 CCODE1 Extended county code  
 DCODE1 Extended district code  
 CLCODE1 Extended clan code  
 EACODE1 Extended enumeration area code

### **Source**

Liberia Institute of Statistics and Geo-Information Services

---

liberia	<i>liberia</i>
---------	----------------

---

**Description**

Datasets for Use in Designing Surveys in Liberia

**Details**

Designing surveys require relevant datasets to be used as basis for sample size calculations, sampling design, survey planning/logistics and survey implementation. These include datasets on population, lists of sampling clusters, map datasets for spatial sampling, and previous survey datasets that can be used for estimating indicator variance and design effects. This package contains relevant datasets for use in designing surveys in Liberia.

**Author(s)**

**Maintainer:** Ernest Guevarra <ernest@guevarra.io> ([ORCID](#))

**See Also**

Useful links:

- <https://github.com/validmeasures/liberia>
- Report bugs at <https://github.com/validmeasures/liberia/issues>

---

locality	<i>locality</i>
----------	-----------------

---

**Description**

Dataset of localities with population size for Grand Bassa and Rural Montserrado

**Usage**

```
locality
```

**Format**

A data.frame with 9 columns and 3412 rows

FID Locality ID

County Name of county

District Name of district

Clan Name of clan

'Locality/ Town' Name of locality/town

MALE Number of male population

FEMALE Number of female population

TOTAL Total population

HH Number of households

### Source

Liberia Institute of Statistics and Geo-Information Services

---

monrovia

*monrovia*

---

### Description

Dataset of enumeration areas with population size for Greater Monrovia District

### Usage

monrovia

### Format

A data.frame with 8 columns and 751 rows

County Name of county

District Name of district

Town/Locality Town or locality name

MALE Number of male population

FEMALE Number of female population

TOTAL Total population

### Source

Liberia Institute of Statistics and Geo-Information Services

---

settlements

*settlements*

---

**Description**

Map of settlement locations in Liberia

**Usage**

settlements

**Format**

A SpatialPointsDataFrame with 14013 features:

OBJECTID Object identifier

FNAME Settlement name

CLASS A numeric value specifying the settlement class. 1 = Capital of country; 2 = Capital of county; 3 = Capital of district; 0 = village

DESCRIPTIO A string value describing the settlement class based on CLASS

COORD\_X Longitude coordinate of settlement

COORD\_Y Latitude coordiante of settlement

admin1name Name of county

admin1Pcod County postal code

admin2name Name of district

admin2Pcod District postal code

admin0name Name of country

admin0Pcod Country postal code. LR for Liberia.

rowcacode0 Three-character ISO country code

Pcod1\_iso3 County postal code using ISO3 code

Pcod2\_iso3 District postal code using ISO3 code

**Source**

<https://data.humdata.org/dataset/liberia-settlements-0>

# Index

## \* datasets

- clans, [2](#)
- counties, [3](#)
- districts, [3](#)
- enumerationArea, [4](#)
- grandBassaEA, [5](#)
- greaterMonroviaEA, [6](#)
- locality, [7](#)
- monrovia, [8](#)
- settlements, [9](#)

- clans, [2](#)
- counties, [3](#)

- districts, [3](#)

- enumerationArea, [4](#)

- grandBassaEA, [5](#)
- greaterMonroviaEA, [6](#)

- liberia, [7](#)
- liberia-package (liberia), [7](#)
- locality, [7](#)

- monrovia, [8](#)

- settlements, [9](#)