Package: hivdata (via r-universe)

September 5, 2024

Type Package

Title Six-Year Chronological Data of HIV and ART Cases in Pakistan

Version 0.1.0

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Depends R (>= 4.0)

Imports stats

Description We provide the monthly number of HIV and antiretroviral
therapy (ART) cases of male, female, children and transgender
as well as for the whole of Pakistan reported at various
treatment centers in Pakistan from January 2016 to December
2021. Related works include: a) Imran, M., Nasir, J. A., &
Riaz, S. (2018). Regional pattern of HIV cases in Pakistan.
Journal of Postgraduate Medical Institute, 32(1), 9-13.
<https://jpmi.org.pk/index.php/jpmi/article/view/2108>.

License GPL (>= 2)

Encoding UTF-8

RoxygenNote 7.2.3

NeedsCompilation no

Date/Publication 2023-10-10 17:00:08 UTC

Repository https://imranshakoor.r-universe.dev

RemoteUrl https://github.com/cran/hivdata

RemoteRef HEAD

RemoteSha eebba2bab91f8bdad1f41510c9ac861aadd2fdbc

Contents

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hivdata-package   *Six-Year Chronological Data of HIV and ART Cases in Pakistan*

Description

Infectious disease time series data are important to understand the pattern of diseases, timely intervention, and source allocation which helps in disease management and control. We provide the monthly number of HIV and ART cases of male, female, children and transgender as well as for the whole of Pakistan reported at various treatment centers in Pakistan from January 2016 to December 2021. The data have been taken from the official website of the Pakistan Bureau of Statistics. Every year the data is updated, Imran et al. (2018) used the monthly number of HIV cases from January 2013 to July 2014 taken from Pakistan Bureau of Statistics.

Details

Package:	hivdata
Type:	Package
Version:	0.1.0
Date:	2023-10-07
License:	GPL-2

Maintainers

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HIV and ART cases   *Monthly reported HIV and ART cases of male, female, children and transgender*

Description

The functions provide the monthly reported HIV and ART cases of males, females, children, and transgenders in Pakistan from January 2016 to December 2021.

Usage

```
malehiv
maleart
femalehiv
femaleart
childhiv
childart
tghiv
tgart
```

Arguments

`malehiv`	A data vector of male monthly HIV cases.
`maleart`	A data vector of male monthly ART cases.
`femalehiv`	A data vector of female monthly HIV cases.
`femaleart`	A data vector of female monthly ART cases.
`childhiv`	A data vector of child monthly HIV cases.
`childart`	A data vector of child monthly ART cases.
`tghiv`	A data vector of transgender monthly HIV cases.
`tgart`	A data vector of transgender monthly ART cases.

Details

We provide the monthly number of HIV and ART cases of male, female, children, and transgender reported at various treatment centers in Pakistan from January 2016 to December 2021.

Value

malehiv, maleart, femalehiv, femaleart, childhiv, childart, tghiv and tgart give the monthly reported HIV and ART cases of males, females, children and transgenders, respectively.

Author(s)

Muhammad Imran

R implementation and documentation: Muhammad Imran <imranshakoor84@yahoo.com>.

References

Imran, M., Nasir, J. A., & Riaz, S. (2018). Regional pattern of HIV cases in Pakistan. Journal of Postgraduate Medical Institute, 32(1), 9-13.

See Also

allpakhiv, allpakart

Examples

```
malehiv
maleart
femalehiv
femaleart
childhiv
childart
tghiv
tgart
# Descriptive summary of monthly male HIV cases
summary(malehiv)
# Descriptive summary of monthly male ART cases
summary(maleart)
# PACF plot
stats::pacf(malehiv)
# ACF plot
stats::acf(malehiv)
```

HIV and ART cases in Pakistan

Monthly reported HIV and ART cases of whole Pakistan

Description

The function provides the reported HIV and ART cases whole of Pakistan from January 2016 to December 2021.

Usage

```
allpakhiv
allpakart
```

Arguments

allpakhiv   A data vector of monthly HIV cases.

allpakart   A data vector of monthly ART cases.

Details

We provide the monthly number of HIV and ART cases of overall Pakistan, reported at various treatment centers from January 2016 to December 2021.

Value

allpakhiv and allpakart give the monthly reported HIV and ART cases.

Author(s)

Muhammad Imran

R implementation and documentation: Muhammad Imran <imranshakoor84@yahoo.com>.

References

Imran, M., Nasir, J. A., & Riaz, S. (2018). Regional pattern of HIV cases in Pakistan. Journal of Postgraduate Medical Institute, 32(1), 9-13.

See Also

malehiv, maleart, femalehiv, femaleart, childhiv, childart, tghiv, tgart

Examples

```
allpakhiv
allpakart
# Descriptive summary of monthly HIV cases in Pakistan
summary(allpakhiv)
# PACF plot
stats::pacf(allpakhiv)
# ACF plot
stats::acf(allpakhiv)
```

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