Histogram of 30 day mortality rate for heart attack

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##setting working directory  
setwd("E:/PDF for R program")  
##reading data  
outcome <- read.csv("outcome-of-care-measures.csv", colClasses = "character")  
##checking data  
head(outcome)

## Provider.Number Hospital.Name Address.1  
## 1 010001 SOUTHEAST ALABAMA MEDICAL CENTER 1108 ROSS CLARK CIRCLE  
## 2 010005 MARSHALL MEDICAL CENTER SOUTH 2505 U S HIGHWAY 431 NORTH  
## 3 010006 ELIZA COFFEE MEMORIAL HOSPITAL 205 MARENGO STREET  
## 4 010007 MIZELL MEMORIAL HOSPITAL 702 N MAIN ST  
## 5 010008 CRENSHAW COMMUNITY HOSPITAL 101 HOSPITAL CIRCLE  
## 6 010010 MARSHALL MEDICAL CENTER NORTH 8000 ALABAMA HIGHWAY 69  
## Address.2 Address.3 City State ZIP.Code County.Name Phone.Number  
## 1 DOTHAN AL 36301 HOUSTON 3347938701  
## 2 BOAZ AL 35957 MARSHALL 2565938310  
## 3 FLORENCE AL 35631 LAUDERDALE 2567688400  
## 4 OPP AL 36467 COVINGTON 3344933541  
## 5 LUVERNE AL 36049 CRENSHAW 3343353374  
## 6 GUNTERSVILLE AL 35976 MARSHALL 2565718000  
## Hospital.30.Day.Death..Mortality..Rates.from.Heart.Attack  
## 1 14.3  
## 2 18.5  
## 3 18.1  
## 4 Not Available  
## 5 Not Available  
## 6 Not Available  
## Comparison.to.U.S..Rate...Hospital.30.Day.Death..Mortality..Rates.from.Heart.Attack  
## 1 No Different than U.S. National Rate  
## 2 No Different than U.S. National Rate  
## 3 No Different than U.S. National Rate  
## 4 Number of Cases Too Small  
## 5 Number of Cases Too Small  
## 6 Number of Cases Too Small  
## Lower.Mortality.Estimate...Hospital.30.Day.Death..Mortality..Rates.from.Heart.Attack  
## 1 12.1  
## 2 14.7  
## 3 14.8  
## 4 Not Available  
## 5 Not Available  
## 6 Not Available  
## Upper.Mortality.Estimate...Hospital.30.Day.Death..Mortality..Rates.from.Heart.Attack  
## 1 17.0  
## 2 23.0  
## 3 21.8  
## 4 Not Available  
## 5 Not Available  
## 6 Not Available  
## Number.of.Patients...Hospital.30.Day.Death..Mortality..Rates.from.Heart.Attack  
## 1 666  
## 2 44  
## 3 329  
## 4 14  
## 5 9  
## 6 22  
## Footnote...Hospital.30.Day.Death..Mortality..Rates.from.Heart.Attack  
## 1   
## 2   
## 3   
## 4 number of cases is too small (fewer than 25) to reliably tell how well the hospital is performing  
## 5 number of cases is too small (fewer than 25) to reliably tell how well the hospital is performing  
## 6 number of cases is too small (fewer than 25) to reliably tell how well the hospital is performing  
## Hospital.30.Day.Death..Mortality..Rates.from.Heart.Failure  
## 1 11.4  
## 2 15.2  
## 3 11.3  
## 4 13.6  
## 5 13.8  
## 6 12.5  
## Comparison.to.U.S..Rate...Hospital.30.Day.Death..Mortality..Rates.from.Heart.Failure  
## 1 No Different than U.S. National Rate  
## 2 Worse than U.S. National Rate  
## 3 No Different than U.S. National Rate  
## 4 No Different than U.S. National Rate  
## 5 No Different than U.S. National Rate  
## 6 No Different than U.S. National Rate  
## Lower.Mortality.Estimate...Hospital.30.Day.Death..Mortality..Rates.from.Heart.Failure  
## 1 9.5  
## 2 12.2  
## 3 9.1  
## 4 10.0  
## 5 9.9  
## 6 9.9  
## Upper.Mortality.Estimate...Hospital.30.Day.Death..Mortality..Rates.from.Heart.Failure  
## 1 13.7  
## 2 18.8  
## 3 13.9  
## 4 18.2  
## 5 18.7  
## 6 15.6  
## Number.of.Patients...Hospital.30.Day.Death..Mortality..Rates.from.Heart.Failure  
## 1 741  
## 2 234  
## 3 523  
## 4 113  
## 5 53  
## 6 163  
## Footnote...Hospital.30.Day.Death..Mortality..Rates.from.Heart.Failure  
## 1   
## 2   
## 3   
## 4   
## 5   
## 6   
## Hospital.30.Day.Death..Mortality..Rates.from.Pneumonia  
## 1 10.9  
## 2 13.9  
## 3 13.4  
## 4 14.9  
## 5 15.8  
## 6 8.7  
## Comparison.to.U.S..Rate...Hospital.30.Day.Death..Mortality..Rates.from.Pneumonia  
## 1 No Different than U.S. National Rate  
## 2 No Different than U.S. National Rate  
## 3 No Different than U.S. National Rate  
## 4 No Different than U.S. National Rate  
## 5 No Different than U.S. National Rate  
## 6 Better than U.S. National Rate  
## Lower.Mortality.Estimate...Hospital.30.Day.Death..Mortality..Rates.from.Pneumonia  
## 1 8.6  
## 2 11.3  
## 3 11.2  
## 4 11.6  
## 5 11.4  
## 6 6.8  
## Upper.Mortality.Estimate...Hospital.30.Day.Death..Mortality..Rates.from.Pneumonia  
## 1 13.7  
## 2 17.0  
## 3 15.8  
## 4 19.0  
## 5 21.5  
## 6 11.0  
## Number.of.Patients...Hospital.30.Day.Death..Mortality..Rates.from.Pneumonia  
## 1 371  
## 2 372  
## 3 836  
## 4 239  
## 5 61  
## 6 315  
## Footnote...Hospital.30.Day.Death..Mortality..Rates.from.Pneumonia  
## 1   
## 2   
## 3   
## 4   
## 5   
## 6   
## Hospital.30.Day.Readmission.Rates.from.Heart.Attack  
## 1 19.0  
## 2 Not Available  
## 3 17.8  
## 4 Not Available  
## 5 Not Available  
## 6 Not Available  
## Comparison.to.U.S..Rate...Hospital.30.Day.Readmission.Rates.from.Heart.Attack  
## 1 No Different than U.S. National Rate  
## 2 Number of Cases Too Small  
## 3 No Different than U.S. National Rate  
## 4 Number of Cases Too Small  
## 5 Number of Cases Too Small  
## 6 Number of Cases Too Small  
## Lower.Readmission.Estimate...Hospital.30.Day.Readmission.Rates.from.Heart.Attack  
## 1 16.6  
## 2 Not Available  
## 3 14.9  
## 4 Not Available  
## 5 Not Available  
## 6 Not Available  
## Upper.Readmission.Estimate...Hospital.30.Day.Readmission.Rates.from.Heart.Attack  
## 1 21.7  
## 2 Not Available  
## 3 21.5  
## 4 Not Available  
## 5 Not Available  
## 6 Not Available  
## Number.of.Patients...Hospital.30.Day.Readmission.Rates.from.Heart.Attack  
## 1 728  
## 2 21  
## 3 342  
## 4 1  
## 5 4  
## 6 13  
## Footnote...Hospital.30.Day.Readmission.Rates.from.Heart.Attack  
## 1   
## 2 number of cases is too small (fewer than 25) to reliably tell how well the hospital is performing  
## 3   
## 4 number of cases is too small (fewer than 25) to reliably tell how well the hospital is performing  
## 5 number of cases is too small (fewer than 25) to reliably tell how well the hospital is performing  
## 6 number of cases is too small (fewer than 25) to reliably tell how well the hospital is performing  
## Hospital.30.Day.Readmission.Rates.from.Heart.Failure  
## 1 23.7  
## 2 22.5  
## 3 19.8  
## 4 27.1  
## 5 24.7  
## 6 23.9  
## Comparison.to.U.S..Rate...Hospital.30.Day.Readmission.Rates.from.Heart.Failure  
## 1 No Different than U.S. National Rate  
## 2 No Different than U.S. National Rate  
## 3 Better than U.S. National Rate  
## 4 No Different than U.S. National Rate  
## 5 No Different than U.S. National Rate  
## 6 No Different than U.S. National Rate  
## Lower.Readmission.Estimate...Hospital.30.Day.Readmission.Rates.from.Heart.Failure  
## 1 21.3  
## 2 19.2  
## 3 17.2  
## 4 22.4  
## 5 19.9  
## 6 20.1  
## Upper.Readmission.Estimate...Hospital.30.Day.Readmission.Rates.from.Heart.Failure  
## 1 26.5  
## 2 26.1  
## 3 22.9  
## 4 31.9  
## 5 30.2  
## 6 28.2  
## Number.of.Patients...Hospital.30.Day.Readmission.Rates.from.Heart.Failure  
## 1 891  
## 2 264  
## 3 614  
## 4 135  
## 5 59  
## 6 173  
## Footnote...Hospital.30.Day.Readmission.Rates.from.Heart.Failure  
## 1   
## 2   
## 3   
## 4   
## 5   
## 6   
## Hospital.30.Day.Readmission.Rates.from.Pneumonia  
## 1 17.1  
## 2 17.6  
## 3 16.9  
## 4 19.4  
## 5 18.0  
## 6 18.7  
## Comparison.to.U.S..Rate...Hospital.30.Day.Readmission.Rates.from.Pneumonia  
## 1 No Different than U.S. National Rate  
## 2 No Different than U.S. National Rate  
## 3 No Different than U.S. National Rate  
## 4 No Different than U.S. National Rate  
## 5 No Different than U.S. National Rate  
## 6 No Different than U.S. National Rate  
## Lower.Readmission.Estimate...Hospital.30.Day.Readmission.Rates.from.Pneumonia  
## 1 14.4  
## 2 15.0  
## 3 14.7  
## 4 15.9  
## 5 14.0  
## 6 15.7  
## Upper.Readmission.Estimate...Hospital.30.Day.Readmission.Rates.from.Pneumonia  
## 1 20.4  
## 2 20.6  
## 3 19.5  
## 4 23.2  
## 5 22.8  
## 6 22.2  
## Number.of.Patients...Hospital.30.Day.Readmission.Rates.from.Pneumonia  
## 1 400  
## 2 374  
## 3 842  
## 4 254  
## 5 56  
## 6 326  
## Footnote...Hospital.30.Day.Readmission.Rates.from.Pneumonia  
## 1   
## 2   
## 3   
## 4   
## 5   
## 6

#Histogram for 30 days mortality rate for Heart Attack Patients  
##need to set as numeric  
mortality\_rates\_for\_heart\_attack <- as.numeric(outcome[,11])##produced NA

## Warning: NAs introduced by coercion

hist(mortality\_rates\_for\_heart\_attack)

