

openFDA

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9/7/2020

```
library("httr")
library("jsonlite")
```

Use openFDA API to get the number of food adverse events in certain time.

```
base<-"https://api.fda.gov/food/event.json?search=date_started"
startdate="20140101"
enddate="20141231"
call1 <- paste(base, ":", "[", startdate, "+T0+", enddate, "]", "&limit=1")
openFDAAPI_Call<-httr::GET(call1)
MYDF<-httr::content(openFDAAPI_Call)
event_count<-MYDF$meta$results$total
```

Use openFDA API to get all food adverse events base on the date.

```
call2<-"https://api.fda.gov/food/event.json?count=date_started"
openFDAAPI_Call2<-httr::GET(call2, accept_json())
http_type(openFDAAPI_Call2)
```

```
## [1] "application/json"
```

```
jsonRespText<-content(openFDAAPI_Call2,as="text")
jsonRespText<-fromJSON(jsonRespText)
foodevent = "foodeventtotal.csv"
FoodeventFile <- file(foodevent)
Foodadvrseevent<-as.data.frame(jsonRespText$results)
write.csv(Foodadvrseevent,FoodeventFile, row.names = FALSE)
```