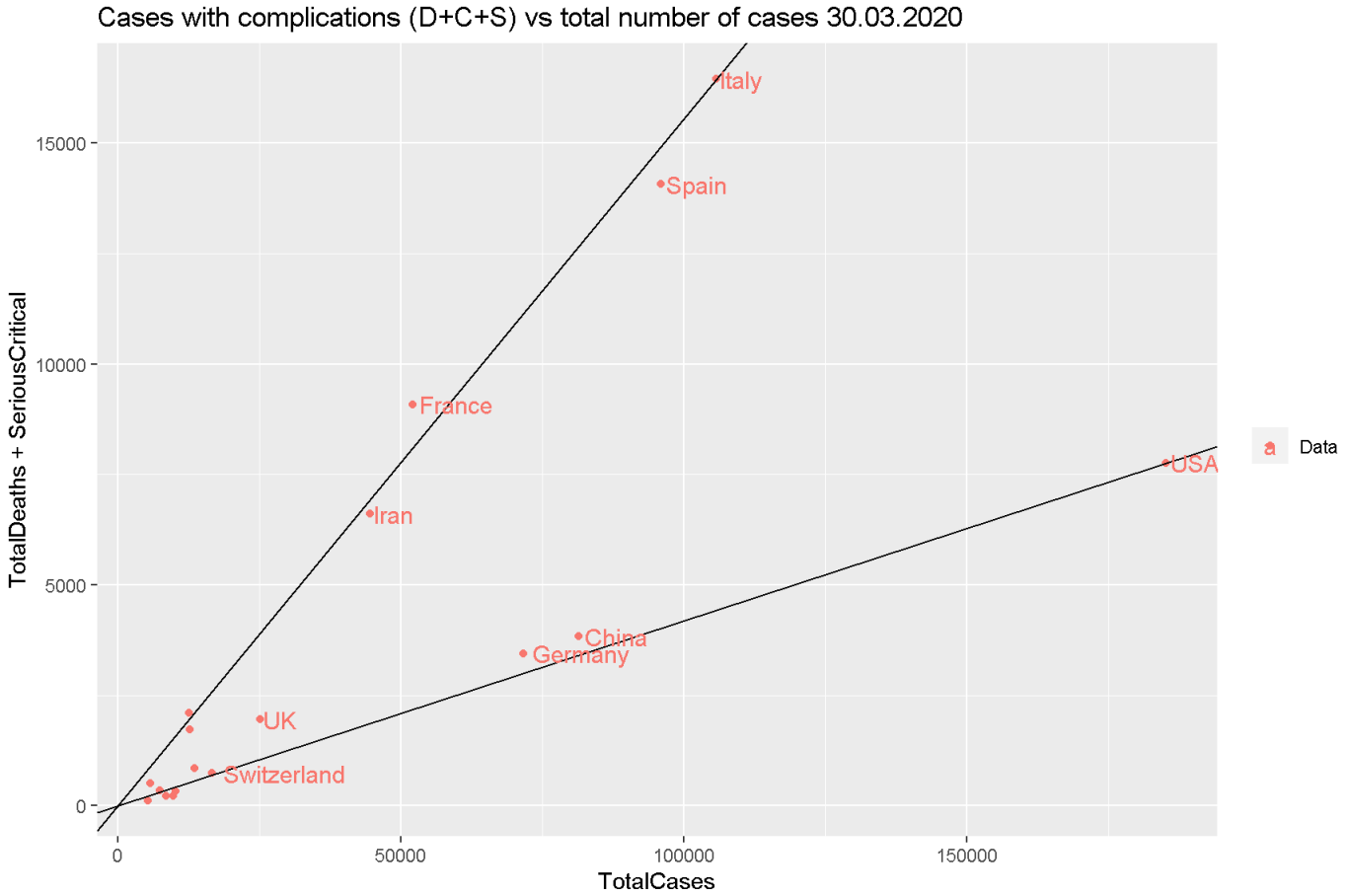
Gloal Covid testing efficiency comparison (worldometer data)

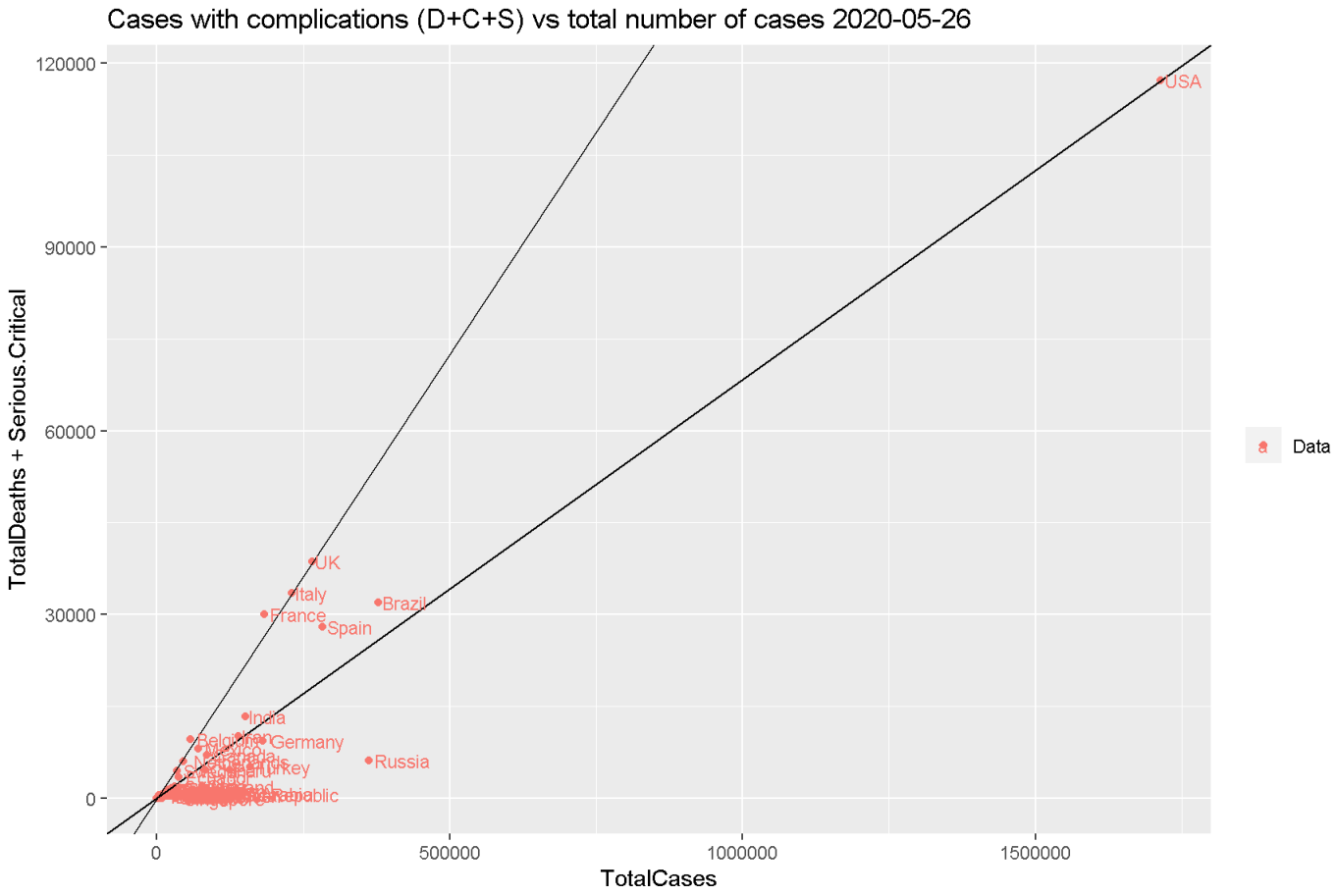
```
knitr::opts_chunk$set(echo = FALSE, message=FALSE, warning=FALSE, fig.width=9, fig.height=6, fig.path = "figures/")
```

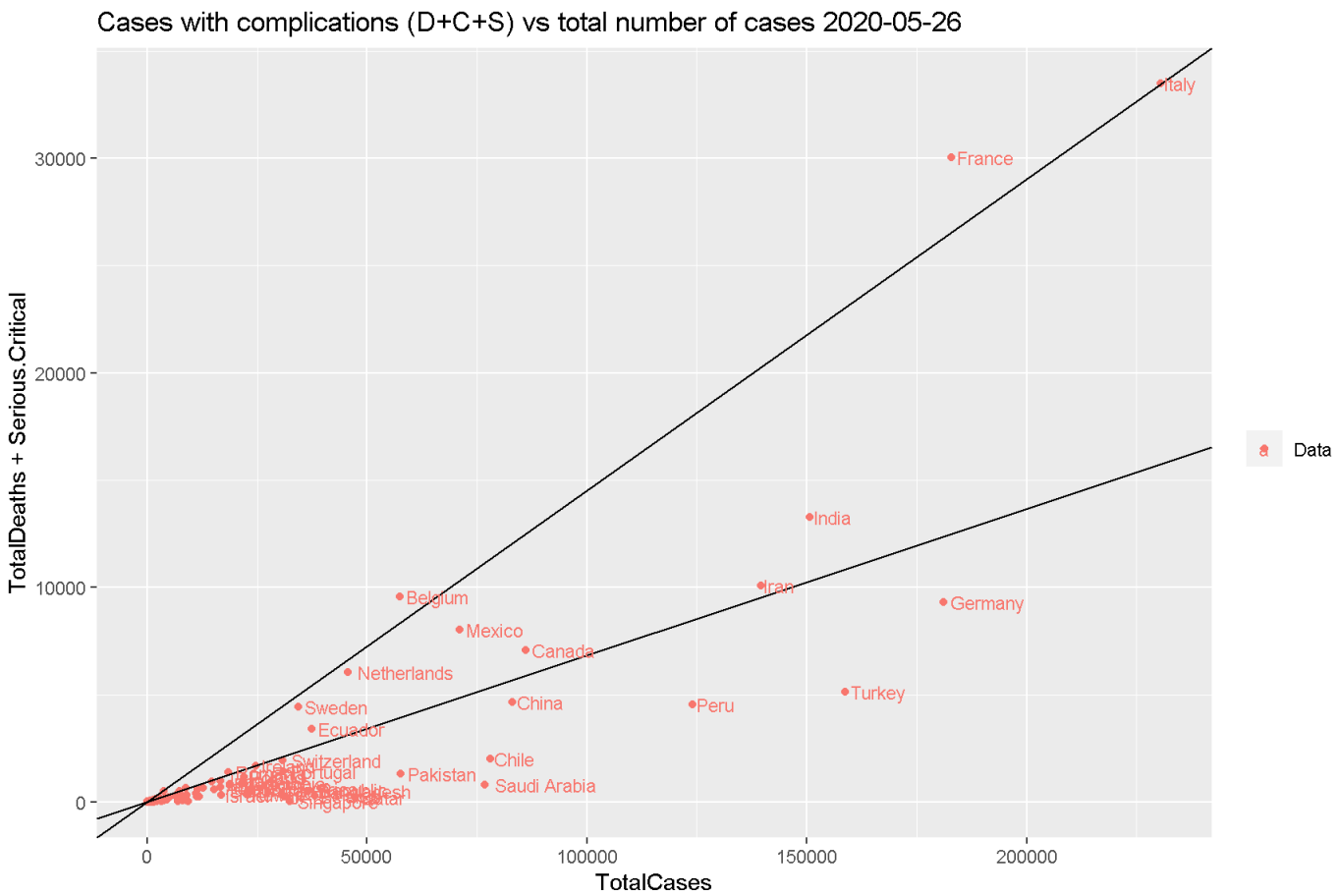
Q: Сравнить разные страны по соотношению числа заболевших и числа осложнений от COVID-19 - это может быть показателем масштабности проводимого тестирования (селективности процедур отбора для него).

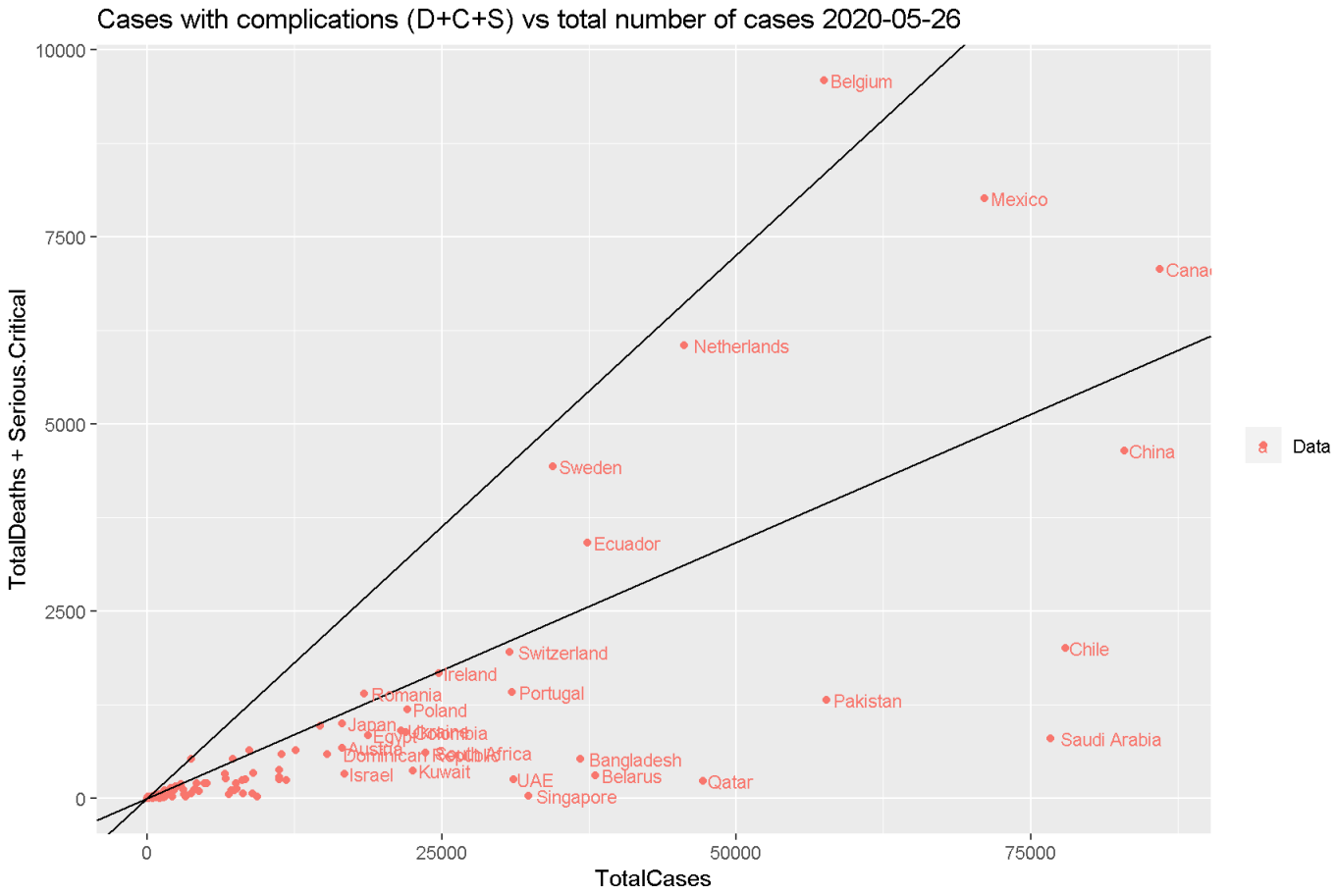


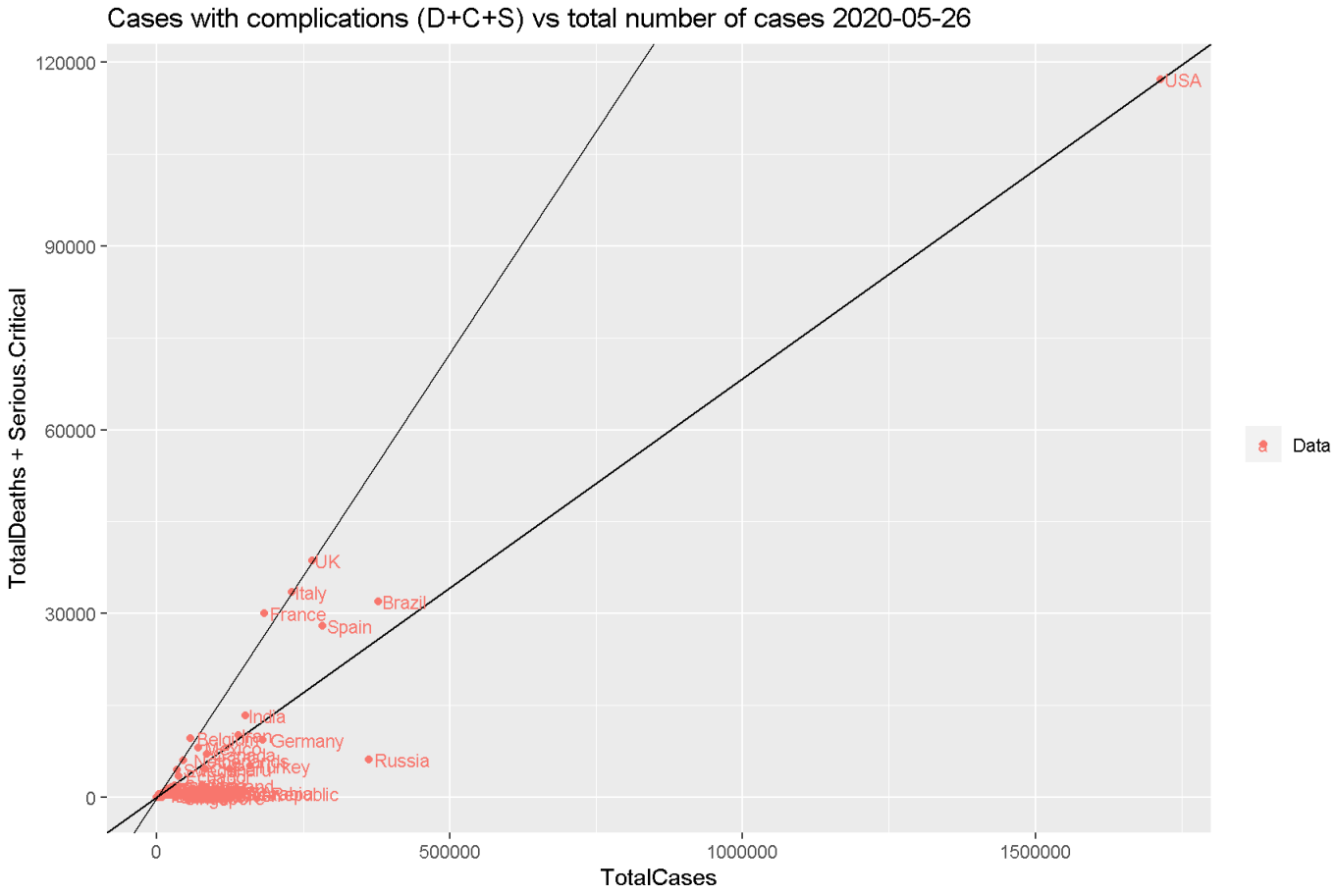
В Германии, США, Китае тестирвоание, очевидно, выявлет больше случаев болезни, и, соответственно, меньшую долю тяжелых случаев.

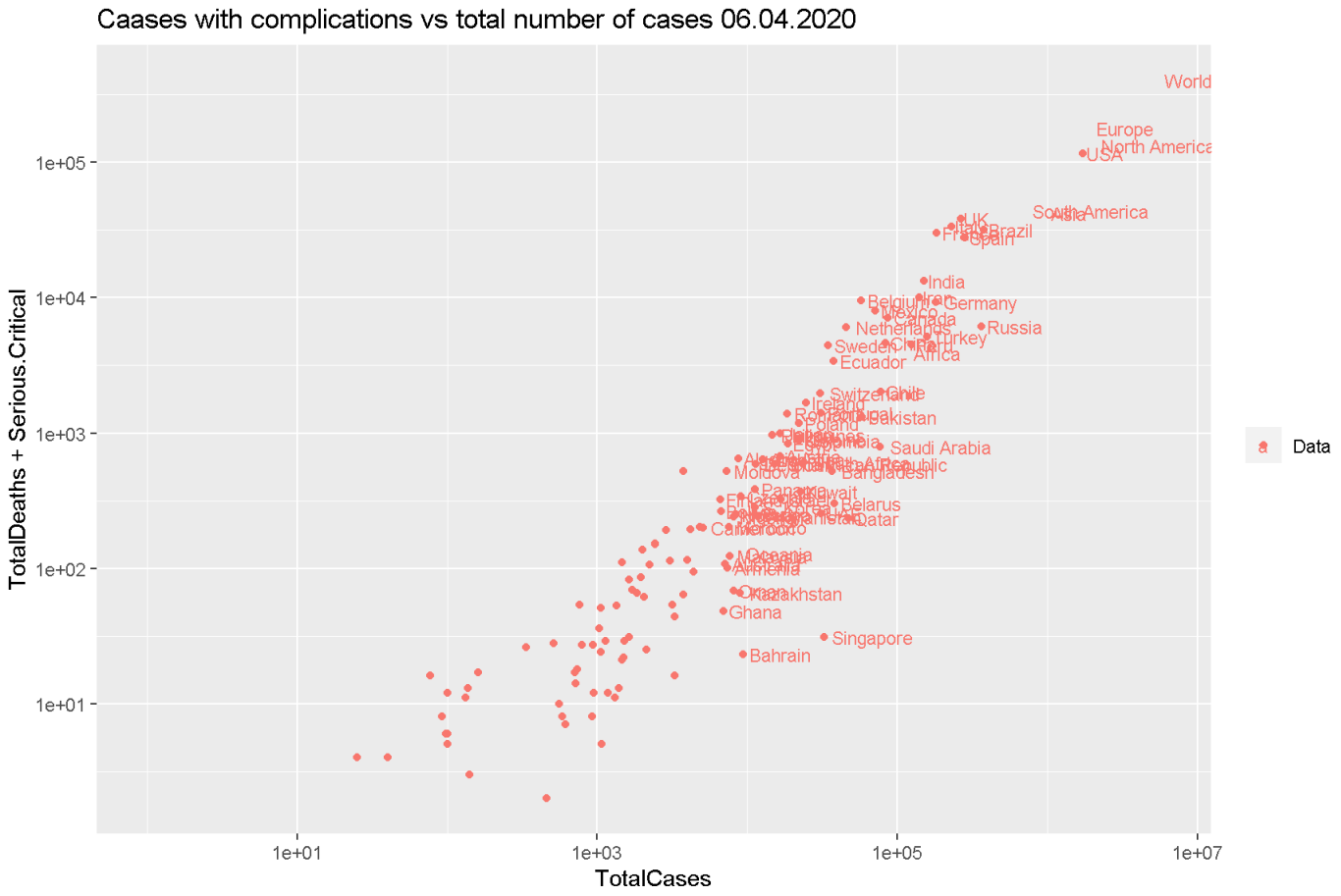
Апдейт картинки по последним данным.


Cases with complications (D+C+S) vs total number of cases 2020-05-26
TotalDeaths + Serious.Critical
TotalCases
120000
90000
60000
30000
0
0
500000
1000000
1500000
USA
UK
Italy
France
Brazil
Spain
India
Germany
Russia
Turkey
Data

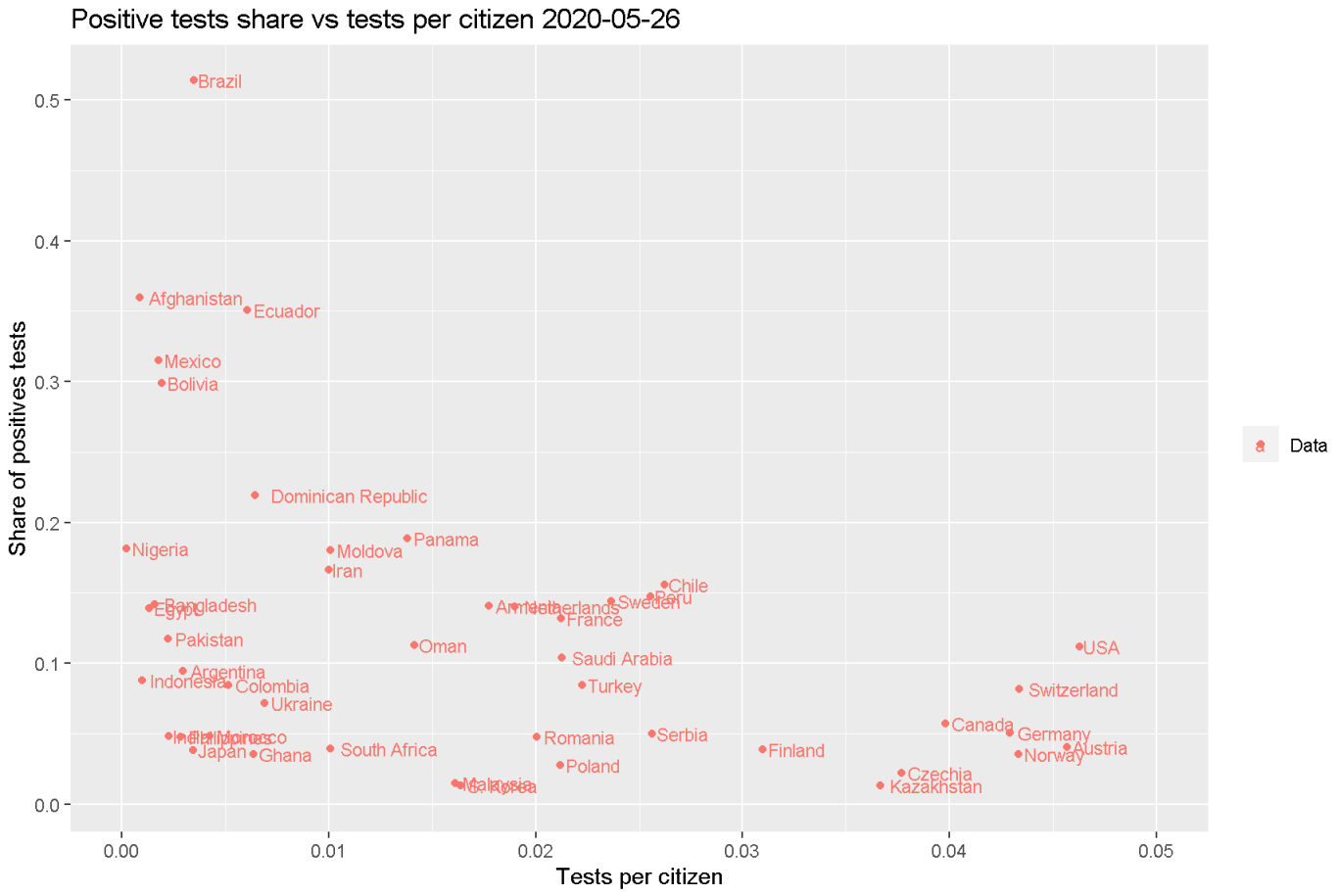

Cases with complications (D+C+S) vs total number of cases 2020-05-26
TotalDeaths + Serious.Critical
TotalCases
30000
20000
10000
0
0
50000
100000
150000
200000
Italy
France
India
Iran
Germany
Belgium
Mexico
Canada
Netherlands
Turkey
Sweden
China
Peru
Ecuador
Switzerland
Chile
Pakistan
Saudi Arabia
Data

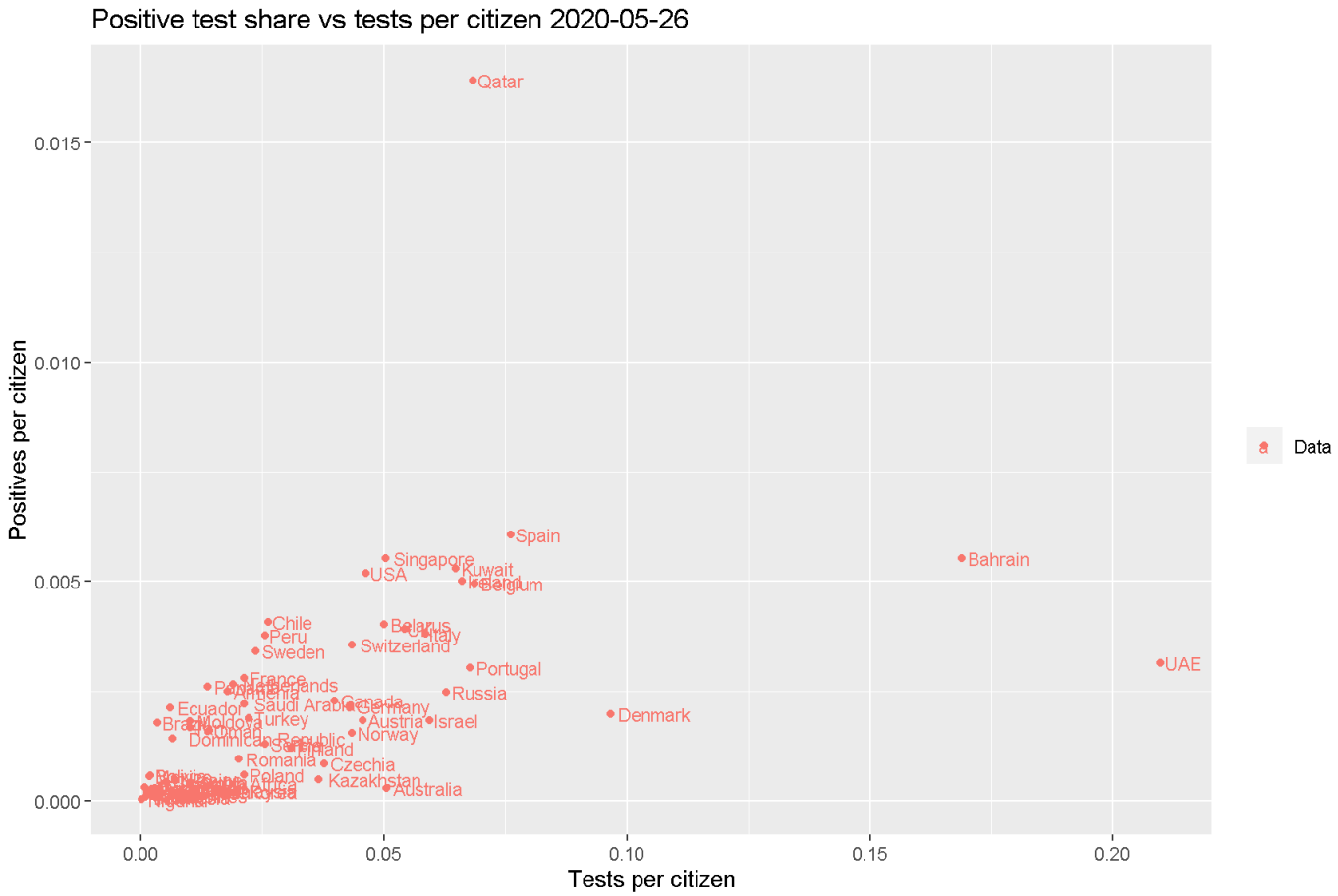

Cases with complications (D+C+S) vs total number of cases 2020-05-26
TotalDeaths + Serious.Critical
TotalCases
Data
Belgium
Mexico
Netherlands
Sweden
Ecuador
China
Chile
Switzerland
Ireland
Portugal
Romania
Poland
Pakistan
Saudi Arabia
Bangladesh
Belarus
Qatar
UAE
Singapore
Kuwait
Israel
Japan
Austria
0
2500
5000
7500
10000
0
25000
50000
75000


Cases with complications (D+C+S) vs total number of cases 2020-05-26
TotalDeaths + Serious.Critical
TotalCases
Data
USA
UK
Italy
France
Spain
Brazil
India
Germany
Russia
Turkey
0
30000
60000
90000
120000
0
500000
1000000
1500000



Q: Влияет ли на приведенное распределение число проводимых тестов на душу населения?





Вывод: данные выглядят достаточно хаотично, вероятно работают и другие факторы.