

# Bootstrap medians (stratified)

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## Week 10 In-class Assignment

Differences in median (with the BCa bootstrap 95% confidence intervals)

\* maternal

\* infant

\* neonatal

\* under-5

mortality between the countries exposed to versus not exposed to armed conflict for the year 2017

Table 1: Median mortality difference between countries with vs without armed conflict in 2017

Type of mortality	N observations	Difference	95% CI lower	95% CI upper
Maternal	183	126.5	40.42	277.36
Infant	185	19.8	7.44	29.46
Neonatal	185	11.8	3.35	17.28
Under 5	185	28.9	8.85	46.27

Conclusion. For all 4 types of mortality, the estimates of median in countries with the armed conflicts is higher than in countries without armed conflicts; and, considering that in all cases 95% confidence interval doesn't include 0, we can be highly confident in this conclusion (i.e. it's highly improbable that these results are due to chance finding).