

# Qualifying Exam 2019

Exam #7

6/1/2019

## Question 1

Number of meals involving fish as a positive test

```
# epiR package for calculating sensitivity and specificity
sensspec0 <- epi.tests(ctable0)
sensspec1 <- epi.tests(ctable1)
sensspec2 <- epi.tests(ctable2)
sensspec3 <- epi.tests(ctable3)
sensspec4 <- epi.tests(ctable4)
sensspec7 <- epi.tests(ctable7)
sensspec14 <- epi.tests(ctable14)
sensspec21 <- epi.tests(ctable21)
```

	Sensitivity	Specificity
>=0	0.0	100
>=1	8.0	100
>=2	19.2	100
>=3	28.0	100
>=4	28.8	90
>=7	36.8	70
>=14	89.6	30
>=21	93.6	30