

In question 2.17(ii)(a) the likelihood function in the solution is given as:

$$e^{-\mu v} \mu^d \times \binom{m}{r} k^r (1-k)^{m-r}$$

However, shouldn't the likelihood of observing d deaths during the year be $e^{-(\mu+\nu)v} \mu^v$ instead of $e^{-\mu v} \mu^d$?