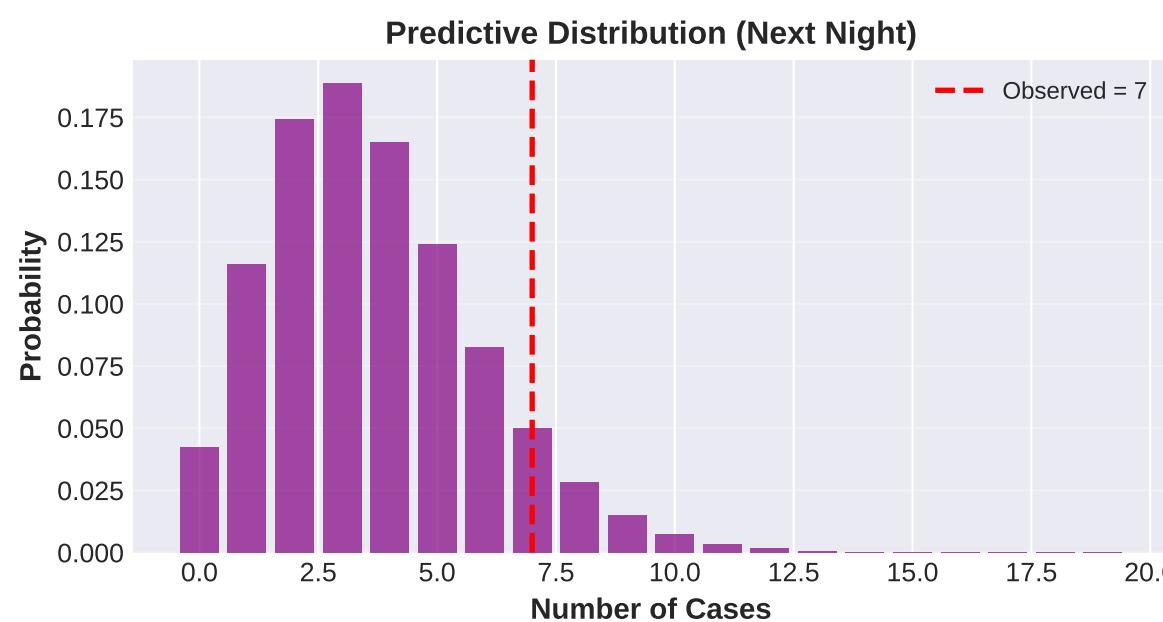
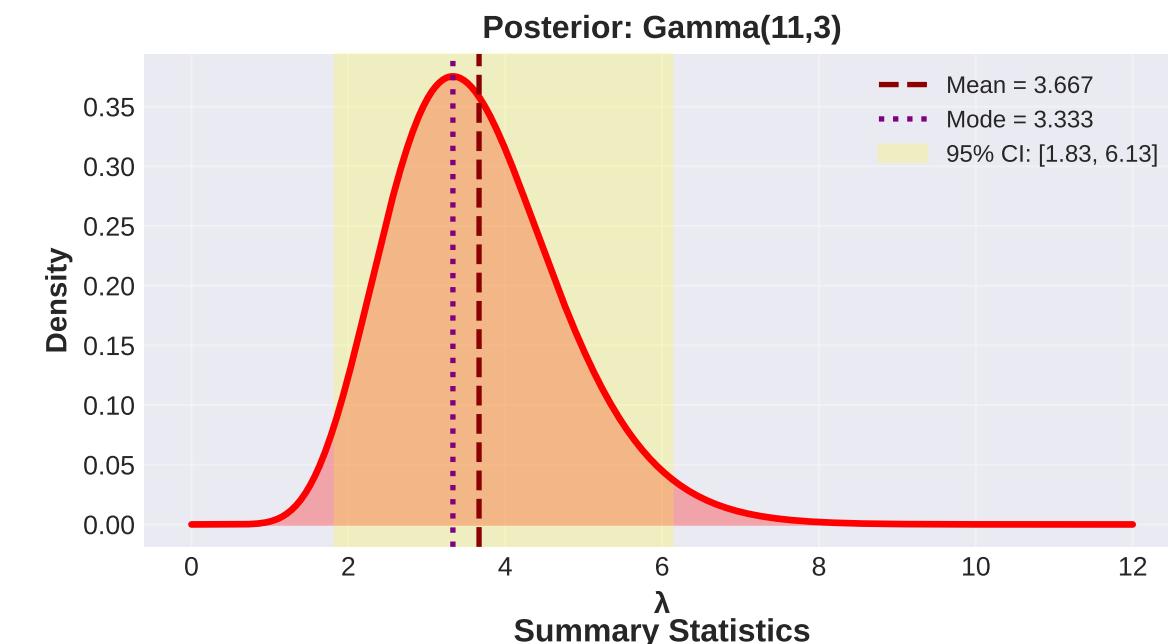
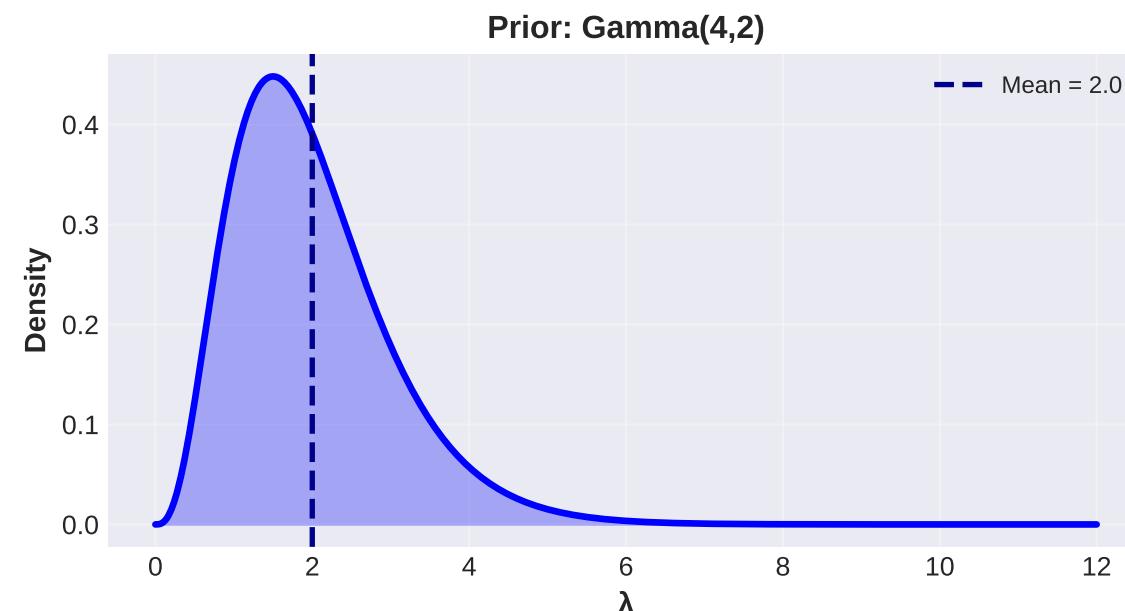
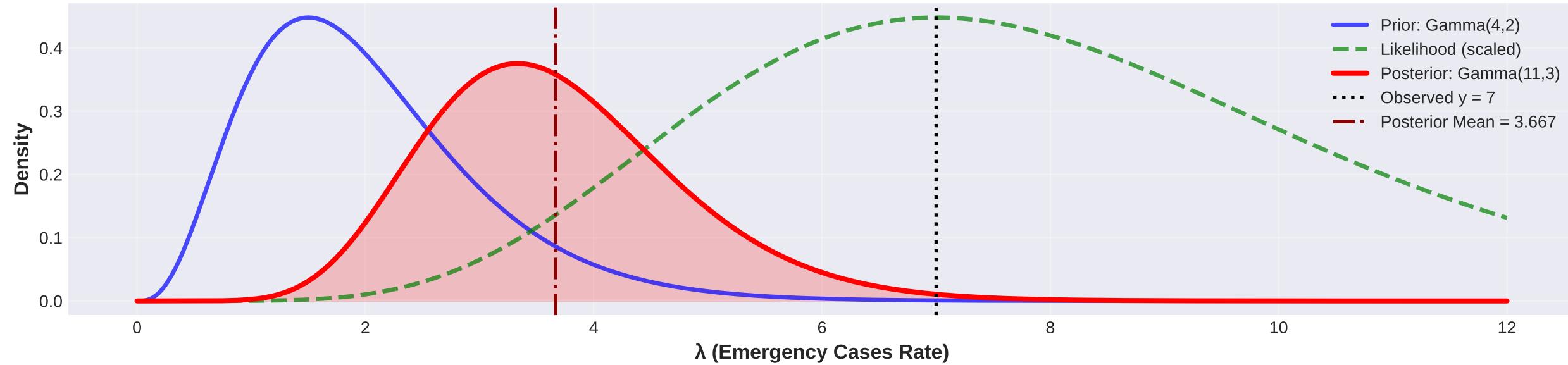


## Question 2: Gamma-Poisson Conjugacy



Metric	Prior	Data	Posterior
Distribution	$\Gamma(4,2)$	$y=7$	$\Gamma(11,3)$
Mean	2.00	7	3.667
Variance	1.00	—	1.222
95% CI Lower	0.54	—	1.83
95% CI Upper	4.38	—	6.13