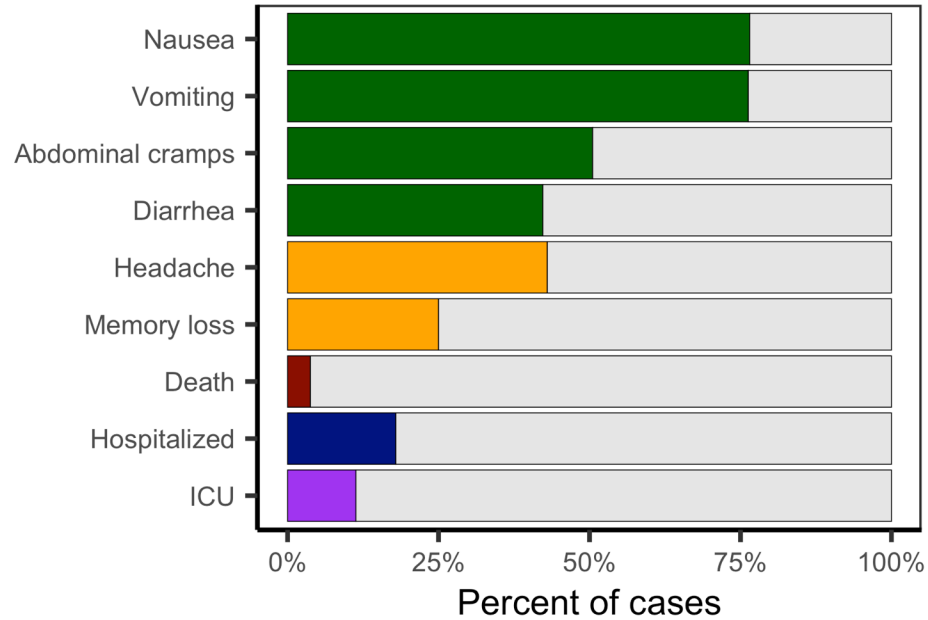


A



C

The **maximum residue limit (MRL)** is the concentration of toxin in food that would exceed the ARfD in a human of average body weight.



$$\text{MRL} = \text{ARfD} * \text{human weight} / \text{meat weight}$$

$$\text{MRL} = 0.1 \text{ mg/kg} * 60 \text{ kg} / 0.3 \text{ kg} = 20 \text{ mg/kg}$$

$$\text{MRL} = 20 \text{ ppm in crab meat}$$

In 1993, the FDA raised the action threshold for viscera to 30 ppm given that the viscera represents (1) half the weight of a serving and (2) the dominant source of domoic acid.

B

